



1942

# Ursinus College Catalogue for the Seventy-third Academic Year, 1942-1943

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Vol. XLI

Number One

# THE URSINUS COLLEGE BULLETIN

CATALOGUE NUMBER



SEVENTY-THIRD ACADEMIC YEAR

1942-1943

Collegeville, Pennsylvania

# The Ursinus College Bulletin

*Catalogue Number*

FOR THE

*Seventy-Third Academic Year*

1942 - 1943

"An Institution where the youth of  
the land can be liberally educated  
under the benign influence of  
Christianity."—*The Founders.*

Published six times a year by Ursinus College, Collegeville, Pa.  
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Volume XLI

Number One

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# 1943

JANUARY							FEBRUARY							MARCH						
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<sup>24</sup> <sub>31</sub> 25	26	27	28	29	30		28	29	30	.	.	.	.	26	27	28	29	30	31	.

# 1944

JANUARY							FEBRUARY							MARCH						
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APRIL							MAY							JUNE						
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9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17
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<sup>23</sup> <sub>30</sub> 24	25	26	27	28	29		28	29	30	31	.	.	.	25	26	27	28	29	30	.
JULY							AUGUST							SEPTEMBER						
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2	3	4	5	6	7	8	6	7	8	9	10	11	12	3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	17	18	19	20	21	22	23
<sup>23</sup> <sub>30</sub> 24	<sup>31</sup> <sub>31</sub> 25	26	27	28	29		27	28	29	30	31	.	.	24	25	26	27	28	29	30

## CALENDAR

1943

Jan. 4, Monday,	RECESS ends, 8 a.m.
Jan. 16, Saturday,	First Semester Examinations begin.
Jan. 27, Wednesday,	SECOND SEMESTER begins, 8 a.m.
Apr. 16, Friday,	Last day for making room deposits.
Apr. 21, Wednesday,	SPRING RECESS begins, 5 p.m.
Apr. 26, Monday,	SPRING RECESS ends, 8 a.m.
May 3, Monday,	Last day for submitting honor papers.
May 8, Saturday,	Second Semester Examinations begin.
May 15, Saturday,	Annual Meeting of the Directors, 10 a.m.
May 15, Saturday,	Alumni Meeting, 2.30 p.m.
May 15, Saturday,	Alumni Banquet, 5.30 p.m.
May 16, Sunday,	Baccalaureate Service, 10.45 a.m.
May 17, Monday,	Commencement, 10 a.m.
May 31, Monday,	SUMMER SESSION begins.
Aug. 21, Saturday,	SUMMER SESSION ends.
Sept. 7, Tuesday,	ACADEMIC YEAR begins.
Dec. 11, Saturday,	First Semester Examinations begin.
Dec. 18, Saturday,	CHRISTMAS RECESS begins 5 p.m.

1944

Jan. 10, Monday,	SECOND SEMESTER begins, 8 a.m.
Apr. 15, Saturday,	Second Semester Examinations begin.
Apr. 23, Sunday,	Baccalaureate Service, 10.45 a.m.
Apr. 24, Monday,	Commencement, 10 a.m.

## HISTORICAL STATEMENT

The beginning of educational work on the grounds occupied by Ursinus College was in Todd's School, opened in 1832 "for the use of the neighborhood and its vicinity," the tract on which the school was located having been donated by Andrew Todd.

In the year 1848 a school for the higher education of young men was established on the tract adjoining that of Todd's School. The school was named "Freeland Seminary." Within a period of twenty years, more than three thousand young men from Pennsylvania, New Jersey, Maryland, and Delaware received their education at this school.

In 1868 a body of men, actuated by a desire to serve the interests of higher education and evangelical Christian religion, met in the city of Philadelphia and resolved to found "an institution where the youth of the land can be liberally educated under the benign influence of Christianity." Ruled by this desire, they chose as the name of their institution that of one of the most distinguished reformers and scholars of the Reformation period, *Ursinus*, of the University of Heidelberg.

The Act of Incorporation under which Ursinus College is conducted was granted by the Legislature of Pennsylvania, February 5, 1869, and is as follows:

### AN ACT

#### TO INCORPORATE URSINUS COLLEGE

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, that there shall be and hereby is erected, established and incorporated in Upper Providence Township, in the County of Montgomery, in this Commonwealth, an institution of learning, for the purpose of imparting instruction in Science, Literature, the Liberal Arts and Learned Professions by the name, style and title of URSINUS COLLEGE.

SECTION 2. Said College shall be under the care and management of a Board of Directors not exceeding twenty-one in number,



who, with their successors in office, shall be and are hereby declared to be one body politic and corporate in deed and in law, to be known by the name, style and title of Ursinus College, and by the same shall have perpetual succession, and shall be able to sue and be sued, plead and be impleaded in all courts of law and equity, and shall be capable in law and equity to take, hold and purchase for the use and benefit of said College any estate in any messuages, lands, tenements, goods, chattels, moneys and other effects of any kind whatever, by gift, grant, bargain, sale, conveyance, assurance, will, devise or bequest from any person or persons, body politic or corporate either municipal or otherwise whatsoever capable of lawfully making the same, and the same from time to time to grant, bargain, sell, convey, mortgage, farm, let, place out at interest, or otherwise dispose of for the use and benefit of said College; *Provided, however*, That no bequest or donation made to and accepted by said Board for specific educational objects shall ever be diverted from the purpose designated in the conditions of such gift and acceptance.

SECTION 3. That the Board of Directors shall have power to establish, from time to time, in said College, such departments of study and instruction as they may deem expedient, and to provide libraries, apparatus, cabinets, endowments and all other needful aids for imparting full and thorough courses of instruction therein. They may appoint a faculty or faculties, professors, lecturers and teachers, prescribe their respective duties, fix their compensation, and remove them, or any of them, as, from time to time, the interests of the College may require; they shall have power to purchase or erect buildings for the accommodation of students, professors and officers, and for other needful purposes; to establish rules and regulations for the government of students and officers, and to do all and singular such other things and matters as may be requisite for the well ordering and proper management of the affairs of said College.

SECTION 4. That the said Board of Directors shall at first consist of the persons herein named, to wit: *James Koons, Sr., J. Knipe, W. D. Gross, H. W. Kratz, A. Kline, H. K. Harnish, Abraham Hunsicker, Sr., J. W. Sunderland, John Wiest, A. W. Myers, H. H. W. Hibshman, A. Van Haagen, J. H. A. Bomberger, J. G. Wiehle, J. Dahlman, Jr., Emanuel Longacre, George Schall, W. L. Graver, William Sorber, Nathan Pennypacker, N. Gehr*, who, or any nine of them, on the passage of this act, or at any time within three months thereafter, may meet and organize by electing a President and Secretary, and accepting this act, the evidence of which shall be the duly authenticated record of such meeting and action.

SECTION 5. That the Board of Directors shall have power to fill all vacancies in their own body, to expel any member thereof who shall be guilty of infamous conduct and to declare vacant the seat of any member who shall have, for three consecutive years, failed to attend the stated meetings of the Board; to appoint, from time to time, such additional officers and agents of their own body as may be deemed requisite, including a Treasurer, who shall always give ample security for the funds entrusted to his keeping; to adopt a common and corporate seal, by and with which all deeds, certificates, appointments and acts of said Board, signed by their President and attested by their Secretary, shall pass and be authenticated, and the same seal at their pleasure to break, alter or renew.

SECTION 6. That the said Board of Directors, at any meeting subsequent to their organization called for the purpose, and of which due notice shall have been given to each member, may adopt and establish a Constitution and By-Laws for the government of their own body, not inconsistent with this act, the laws of the State or the laws of the United States, which Constitution and By-Laws shall not thereafter be altered, amended or repealed except in the manner therein provided.

SECTION 7. That the faculty of any organized department in the College may, with the advice and consent of the Board of Directors, and under such regulations as they may prescribe, confer the degrees, honors, and dignities usually conferred by similar departments in the Colleges and Universities of this Commonwealth.

SECTION 8. That no misnomer of this corporation shall defeat or annul any gift, grant, devise or bequest to or from the said corporation: *Provided*, The intent of the parties shall sufficiently appear upon the part of the gift, grant, will, or other writing whereby such state or interest was intended to pass to or from said corporation.

The corporation was organized at a meeting of the Directors held in the city of Philadelphia, February 10, 1869. A permanent seat for the College was sought near Philadelphia. Attracted by the beauty of the region of Perkiomen Bridge, where Freeland Seminary had flourished for twenty years, and impressed by the reputation of the community for its interest in education, the Board of Directors purchased the property of Freeland Seminary, and incorporated the latter into Ursinus College as its preparatory department. About this time the United States postal authorities named the post office at Per-

kiomen Bridge, Collegeville. Instruction was begun September 6, 1870. In 1881 the doors of the College were opened to women. The Academy was discontinued in 1910.

The Ursinus School of Theology was opened in 1871. The School was conducted at Collegeville in connection with the College until 1898, when it was moved to Philadelphia. In 1907 a Compact of Union was ratified by which it became a part of The Central Theological Seminary at Dayton, Ohio. In 1933 this union was dissolved by mutual agreement. In 1934 Central Theological Seminary was united with Eden Theological Seminary at Webster Groves, Missouri.

Collegeville is on the Benjamin Franklin Highway (Route 422) and is twelve miles distant from the Lincoln Highway. Motor coaches connecting Collegeville with Reading, Pottstown, Norristown, and Philadelphia pass the College campus. The College grounds cover eighty-nine acres, including an improved campus of twelve acres, tennis courts, and athletic fields.

Ursinus College is on the approved list of the Middle States Association of Colleges and Secondary Schools, the American Association of University Women, and the Association of American Universities.

## NEEDS

The College constantly employs fully the equipment and resources at its disposal. The steady growth of the institution should encourage its friends to provide for its further needs. The following present exceptional opportunities for gifts and memorials: endowment of scholarships, \$2,000 to \$5,000 each; endowment of professorships, \$50,000 and upwards; general endowment funds, \$500 and upwards; residence halls for women, \$20,000 and upwards; endowment for the Science Building, \$200,000; an infirmary, \$25,000. The counsel of the President of the College should be sought with a view to obtaining the most advantageous cooperation on the part of benefactors.



## GIFTS AND BEQUESTS

It is the judgment of those who have had the responsibility of disposing of large fortunes that Education furnishes the most promising field for benevolence. The great philanthropic foundations, after discriminating scientific inquiry into the ways and means of doing good with accumulated wealth, have made Education their chief objective. The findings of these philanthropic agencies may be accepted for the guidance of others.

The practice of making donations during one's life rather than making bequests to be executed after death is recommended. In this way the donor has absolute assurance that his wishes are being carried out, he has the satisfaction of seeing his gift bearing fruit in the improved work of the institution, and he avoids the deflection of part of his proposed gift in the form of inheritance taxes.

When the donor wishes to retain the income of his estate during his lifetime, a very satisfactory arrangement is provided in Ursinus College Annuity Bonds, which the College issues in exchange for cash or property. Annuity Bonds guarantee to the donor a fixed income payable semi-annually during the period of his natural life, and upon his death the bonds become null and void, and the gifts which they represent continue as permanent possessions of the College.

When, however, it is decided to make a bequest, care should be taken to have all testamentary papers signed, witnessed, and executed in strict accordance with the statutory laws of the State in which the testator resides. In all cases the name of the corporation should be accurately given, as in the following form:

I give, devise and bequeath to URSINUS COLLEGE, located at Collegeville, Montgomery County, Pennsylvania, its successors and assigns forever, the sum of..... dollars, for its several corporate purposes (or name the particular corporate purpose desired by the testator).

## THE DIRECTORS

	First Elected	Term Expires
REV. TITUS A. ALSPACH, D.D., Lancaster,	1925	1945
CHARLES A. BEHNEY, M.D., Philadelphia,	1937	1947
HON. THOMAS E. BROOKS, LL.D., Red Lion,	1921	1946
WALTER R. DOUTHETT, A.M., Darby,	1936	1946
REV. I. CALVIN FISHER, D.D., Lebanon,	1905	1946
EDWIN M. FOGEL, PH.D., Fogelsville,	1930	1945
EDWARD S. FRETZ, LL.D., Collegeville,	1925	1945
FRANCIS J. GILDNER, ESQ., A.B., Allentown,	1924	1944
DONALD L. HELFFERICH, ESQ., A.B., LL.B., Collegeville,	1927	1947
REV. GEORGE W. HENSON, D.D., Philadelphia,	1911	1946
RHEA DURYEA JOHNSON, A.B., Philadelphia,	1928	1943
W. SHERMAN KERSCHNER, D.D., Philadelphia,	1940	1945
WHORTEN A. KLINE, LITT.D., Collegeville,	1912	1947
IRENE F. LAUB, M.D., Sc.D., Easton,	1938	1943
N. E. McCLURE, PH.D., LITT.D., LL.D., Collegeville,	1936	1946
RALPH E. MILLER, A.B., Collegeville,	1924	1943
REV. JAMES M. NIBLO, D.D., Norristown,	1936	1946
HARVEY E. PAISLEY, LL.D., Philadelphia,	1907	1947
GEORGE E. PFAHLER, M.D., Sc.D., LL.D., Philadelphia,	1935	1945
IRVING L. WILSON, Philadelphia,	1937	1947
RALPH F. WISMER, ESQ., A.B., Collegeville,	1938	1943
EFFIE BRANT EVANS, A.B., Norristown,	1942	1945

## COMMITTEES OF THE BOARD OF DIRECTORS

*Executive Committee*

E. S. FRETZ	R. E. MILLER
H. E. PAISLEY	J. M. NIBLO
W. A. KLINE	N. E. McCLURE
R. F. WISMER	

*Committee on Finance*

R. F. WISMER	N. E. McCLURE
H. E. PAISLEY	D. L. HELFFERICH
I. L. WILSON	E. S. FRETZ

*Committee on Buildings and Grounds*

J. M. NIBLO	W. R. DOUTHETT
R. E. MILLER	W. A. KLINE
N. E. McCLURE	

*Committee on Instruction*

N. E. McCLURE	W. A. KLINE
C. A. BEHNEY	G. E. PFAHLER
D. L. HELFFERICH	

OFFICERS OF THE CORPORATION

*President*

HARRY E. PAISLEY  
Philadelphia

*First Vice-President*

THOMAS E. BROOKS  
Red Lion, Pa.

*Second Vice-President*

FRANCIS J. GILDNER  
Allentown, Pa.

*Chairman, Executive Committee*

E. S. FRETZ  
Collegeville, Pa.

*Secretary*

RALPH F. WISMER  
Collegeville, Pa.

*Treasurer*

RALPH F. WISMER  
Collegeville, Pa.



## OFFICERS OF ADMINISTRATION

- N. E. McCLURE, PH.D., LITT.D., LL.D., *President*  
DONALD L. HELFFERICH, ESQ., A.B., LL.B., *Vice-President*  
THE REV. WHORTEN A. KLINE, A.M., B.D., LITT.D., *Dean*  
THE REV. FRANKLIN I. SHEEDER, JR., A.M., B.D., *Registrar*  
CAMILLA B. STAHR, A.B., *Dean of Women*  
G. SIEBER PANCOAST, A.M., *Dean of Men*  
THE REV. JOHN LENTZ, D.D., *College Pastor*  
JOHN B. PRICE, A.M., M.D., *College Physician*  
RUSSELL C. JOHNSON, B.S., *Director of Athletics; Sup't of Properties*  
STANLEY OMWAKE, M.B.A., *Assistant to the Vice-President*  
CHARLES H. MILLER, A.B., A.B. in L.S., A.M., *Librarian*  
SARAH HATTON BECK, B.S., L.S., *Assistant Librarian*  
JAMES R. RUE, *Chief Accountant*  
MRS. O. H. E. RAUCH, B.S., *Preceptress*  
MRS. F. I. SHEEDER, A.M., *Preceptress*  
MRS. WILLIAM U. HELFFERICH, B.LITT., *Preceptress*  
MRS. G. SIEBER PANCOAST, A.B., *Preceptress*  
MRS. J. K. SCHLAYBACH, *Preceptress*  
MRS. HARRY N. ELY, *Preceptress*  
MISS A. ETNA LAPPIN, *Preceptress*  
MRS. G. HENRY SHRYOCK, *Preceptress*  
MISS BENETTA W. SNIVELY, A.B., *Preceptress*  
MRS. FOSTER L. DENNIS, A.B., *Preceptress*  
HARRY M. PRICE, *Steward*  
MRS. HARRY M. PRICE, *Dietitian*  
MRS. JAMES H. MONTGOMERY, R.N., *Resident Nurse*  
MISS S. VERNA BOCK, *Secretary to the President*  
MRS. JOHN W. CLAWSON, *Secretary to the Dean*  
MRS. MARY ELLEN EVANS, A.B., *Secretary to the Registrar*  
MISS EMILY M. ZOLL, A.B., *Secretary to the Treasurer*

## THE FACULTY

NORMAN EGBERT MCCLURE, PH.D., LITT. D., LL.D.

*President; Professor of the English Language and Literature.*

A.B., Ursinus College, 1915; A.M., Pennsylvania State College, 1916; Ph.D., University of Pennsylvania, 1925; Litt.D., Pennsylvania Military College, 1936; LL.D., Temple University, 1940; Ursinus College, 1928; President, 1936.

REV. WHORTEN A. KLINE, A.M., B.D., LITT.D.

*Dean; Professor of the Latin Language and Literature.*

A.B., Ursinus College, 1893; A.M. and B.D., 1896; Litt.D., 1913; Ursinus College, 1893; Dean, 1909.

JOHN WENTWORTH CLAWSON, A.M., Sc.D.

*Professor of Mathematics.*

A.B., University of New Brunswick, 1901; A.B., Cambridge University, 1904; A.M., University of New Brunswick, 1905; Sc.D., Ursinus College, 1920; Lecturer in Astronomy, University of New Brunswick, 1904-05; Assistant in Physics, Ohio State University, 1905-06; Ursinus College, 1907.

CARL VERNON TOWER, PH.D.

*Professor of Philosophy.*

A.B., Brown University, 1893; A.M., 1895; Ph.D., Cornell University, 1898; Instructor in Philosophy, University of Michigan, 1898-1900; Assistant to the President, Clark University, 1900-01; Professor of Philosophy, Knox College, 1901-02; University of Vermont, 1902-09; Assistant Professor of Philosophy, University of Michigan, 1909-10; Acting Professor of Philosophy, Trinity College, 1912-13; Ursinus College, 1913.

MARTIN WEAVER WITMER, A.B.

*Professor of English Rhetoric.*

A.B., Franklin and Marshall College, 1904; Ursinus College, 1920.

JAMES LANE BOSWELL, PH.D.

*Professor of Economics and Business Administration.*

A.B., Georgetown College, 1920; A.M., University of Pennsylvania, 1923; Ph.D., 1933; Ursinus College, 1923.

ELIZABETH BRETT WHITE, PH.D.

*Professor of History.*

A.B., Cornell University, 1904; A.M., University of Wisconsin, 1917; Ph.D., Clark University, 1920; Pennsylvania College for Women, 1912-19, 1920-24; Pennsylvania State College, School of Education, Extension Department, 1921-24; Ursinus College, 1924.

RUSSELL DAVIS STURGIS, PH.D.

*Professor of Analytical Chemistry.*

A.B., University of Delaware, 1919; M.S., University of Pennsylvania, 1921; Ph.D., 1924; Assistant in Chemistry, Massachusetts Agricultural College, 1919-20; Instructor in Chemistry, University of Pennsylvania, 1920-24; Professor of Chemistry, Franklin and Marshall College, 1924-25; Ursinus College, 1925.



WILLIAM WALLACE BANCROFT, Ph.D.

*Professor of Philosophy.*

A.B., Ursinus College, 1919; Graduate, Princeton Theological Seminary, 1920;  
A.M., University of Pennsylvania, 1921; Ph.D., 1931; Ursinus College, 1925.

REV. FRANKLIN IRVIN SHEEDER, Jr., A.M., B.D.

*Registrar; Professor of Religion and of the History of the Christian Church.*

A.B., Ursinus College, 1922; A.M., University of Pennsylvania, 1929; B.D.,  
Central Theological Seminary, 1925; Ursinus College, 1925.

JOHN HAROLD BROWNBACKE, A.B., Sc.D.

*Professor of Biology.*

A.B., Ursinus College, 1921; Sc.D., 1937; Instructor in Zoölogy, University of  
Pennsylvania, 1921-26; Ursinus College, 1926.

GEORGE RUSSELL TYSON, Ph.D.

*Professor of Education.*

B.S., University of Pennsylvania, 1916; A.M., 1922; Ph.D., 1936; Specialist in  
Testing and Grading in United States Army, 1920; Professor of Education  
and Director of the Summer School, Cornell College, 1921-27; Ursinus College,  
1927.

HARVEY LEWIS CARTER, Ph.D.

*Professor of History and Public Speaking.*

A.B., Wabash College, 1927; A.M., University of Wisconsin, 1928; Ph.D., 1938;  
Ursinus College, 1928.

MAURICE O. BONE, B.C.S.

*Professor of Economics and Business Administration.*

B.C.S., Northwestern University, 1924; Instructor in Accounting, Northwestern  
University, 1928-29; Ursinus College, 1929.

FRANK LEROY MANNING, Ph.D.

*Professor of Mathematics.*

B.S., Cornell University, 1919; M.S., Rutgers University, 1924; Ph.D., Cornell  
University, 1935; Instructor, Rutgers University, 1923-24; Instructor in  
Mathematics, Clarkson College of Technology, 1928-30; Ursinus College, 1930.

EUGENE BACHMAN MICHAEL, A.M.

*Associate Professor of Education.*

A.B., Ursinus College, 1924; A.M., University of Pennsylvania, 1928; Ursinus  
College, 1930.

ELEANOR FROST SNELL, A.M.

*Associate Professor of Physical Education; Coach of Women's Athletics.*

A.B., University of Nebraska, 1923; A.M., Columbia University, 1929; Instructor,  
State Teachers College, Marquette, Michigan, 1929-30; Instructor in Physical  
Education, State Teachers Colleges, Shippensburg and California, Pennsyl-  
vania, 1930-31; Ursinus College, 1931.

DONALD GAY BAKER, PH.D.

*Associate Professor of the Greek Language and Literature.*

A.B., Haverford College, 1926; A.M., Harvard University, 1929; Ph.D., 1932; Ursinus College, 1932.

GEORGE W. HARTZELL, PH.D.

*Associate Professor of German.*

A.B., Lehigh University, 1929; A.M., University of Pennsylvania, 1931; Ph.D., 1934; Instructor in German, Lehigh University, 1929-32; Harrison Fellow in Germanics, University of Pennsylvania, 1933-34; Ursinus College, 1934.

CALVIN DANIEL YOST, JR., PH.D.

*Associate Professor of English.*

A.B., Ursinus College, 1930; A.M., University of Pennsylvania, 1932; Ph.D., 1935; Ursinus College, 1934.

JESSE SHEARER HEIGES, A.M., PED.D.

*Associate Professor of Education.*

A.B., Ursinus College, 1898; A.M., 1909; Ped.D., 1923; M.A., New York University, 1927; Instructor, Shippensburg State Teachers College, 1902-08; Dean of Instruction, 1908-34; Ursinus College, 1935.

WILLIAM FRANKLIN PHILIP, Mus.Doc.

*Associate Professor of Music.*

Mus.B., State Academy of Church and School Music, Berlin, 1931; Mus.M., 1932; Mus.Doc., 1936; Instructor, Troy Conservatory of Music, 1927-31; Ursinus College, 1935.

JOHN J. HEILEMANN, PH.D.

*Associate Professor of Physics.*

A.B., University of Pennsylvania, 1932; M.A., 1937; Ph.D., 1938; Tyndale Fellow in Physics, University of Pennsylvania, 1935-38; Instructor in Physics, 1938-39; Ursinus College, 1941.

PAUL RAYMOND WAGNER, PH.D.

*Assistant Professor of Biology.*

B.S., Ursinus College, 1932; M.S., University of Pennsylvania, 1935; Ph.D., University of Pennsylvania, 1941; Ursinus College, 1932.

WILLIAM SCHUYLER PETTIT, M.S.

*Assistant Professor of Inorganic Chemistry.*

B.S. in Chemistry, University of Pennsylvania, 1932; M.S., 1933; Ursinus College, 1933.

## EVERETT M. BAILEY, M.A.

*Assistant Professor of Physical Education.*

B.P.E., Springfield College, 1930; B.S., 1936; M.A., Columbia University, 1936; Assistant Instructor, Department of Physical Education, Columbia University, 1934-35; Ursinus College, 1935.

## EUGENE HERBERT MILLER, Ph.D.

*Assistant Professor of Political Science.*

A.B., Ursinus College, 1933; A.M., Clark University, 1934; Ph.D., Clark University, 1940; Ursinus College, 1935.

## ALFRED MILES WILCOX, A.M.

*Assistant Professor of French and Spanish.*

A.B., Wesleyan University, 1931; A.M., Brown University, 1933; Ursinus College, 1935.

## CHARLES DAVID MATTERN, Ph.D.

*Assistant Professor of English.*

B.S., Ursinus College, 1930; Ph.D., University of Pennsylvania, 1940; Ursinus College, 1937.

## FOSTER LEROY DENNIS, Ph.D.

*Assistant Professor of Mathematics.*

B.S., Ursinus College, 1931; A.M., Cornell University, 1932; Ph.D., University of Illinois, 1938; Instructor in Mathematics, Ursinus College, 1934-35; Assistant in Mathematics, University of Illinois, 1935-38; Ursinus College, 1938.

## JOSEPHINE XANDER SHEEDER, A.M.

*Instructor in Religion.*

A.B., Ursinus College, 1921; A.M., New York University, 1938; Ursinus College, 1925.

## MARION GERTRUDE SPANGLER, A.B.

*Instructor in Vocal Music.*

A.B., Ursinus College, 1903; Instructor, Ursinus College, 1904-08; Agnes Scott College, Georgia, 1908-10; Harcourt Place School, Ohio, 1911-13; Haverford School, 1931; Ursinus College, 1918-19, 1922-23, 1938.

## GARFIELD SIEBER PANCOAST, A.M.

*Instructor in Political Science; Dean of Men.*

B.S., Ursinus College, 1937; A.M., University of Pennsylvania, 1940; Ursinus College, 1937.

## The Faculty

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PETER P. STEVENS, B.S.

*Instructor in Physical Education.*

B.S., Temple University, 1935; Ursinus College, 1935.

CHARLES WILSON STEINMETZ, A.B.

*Instructor in German.*

A.B., Ursinus College, 1940; Ursinus College, 1940.

NATALIE AUSTIN HOGELAND, B.S.

*Instructor in Physical Education.*

B.S., Ursinus College, 1942; Ursinus College, 1943.

SARA MARY OUDERKIRK HAMPSON, A.M.

*Assistant in Physical Education.*

A.B., Ursinus College, 1934; A.M., Columbia University, 1938; Ursinus College, 1934.



## OFFICERS OF THE FACULTY

*Chairman*.....THE PRESIDENT  
*Secretary* .....PROFESSOR WITMER

## ACADEMIC COUNCIL

THE PRESIDENT		THE DEAN
PROFESSOR CLAWSON	PROFESSOR SHEEDER	PROFESSOR STURGIS

## ADVISERS

*Mathematics Group*, Professor Clawson  
*Chemistry-Biology Group*, Professor Sturgis  
*History-Social Science Group*, Professor White  
*English Group*, Professor McClure  
*Modern Languages Group*, Professor Hartzell  
*Business Administration Group*, Professor Boswell  
*Physical Education Group*, Professor Tyson

## COMMITTEES

### *Admission and Standing*

THE PRESIDENT	PROFESSOR CLAWSON	PROFESSOR KLINE
	PROFESSOR SHEEDER	PROFESSOR WITMER

### *Library*

THE PRESIDENT	THE LIBRARIAN	PROFESSOR WITMER
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### *Scholarships*

THE PRESIDENT	PROFESSOR MATTERN	PROFESSOR KLINE
	PROFESSOR SHEEDER	

### *Discipline*

THE PRESIDENT	DEAN KLINE	PROFESSOR BROWNBACK
	DEAN STAHR	DEAN PANCOAST

### *Student Organizations*

THE PRESIDENT		DR. MATTERN
	DEAN PANCOAST	

### *Council on Student Activities*

PROFESSOR BROWNBACK	DEAN STAHR	MRS. SHEEDER
PROFESSOR BONE	DEAN PANCOAST	

### *Student Expenditures*

PROFESSOR BONE	PROFESSOR SHEEDER
	DEAN PANCOAST

## ADMISSION

The first step in seeking admission to Ursinus College is the filing of a formal application. The application blank includes a form for the candidate's school record. This will be filled in by the school principal or headmaster and forwarded directly to the Registrar's office. All certificates of preparation are evaluated by the Dean of the College. Further inquiry is made as to the character and fitness of the candidate to do the work of this institution, and if found qualified the applicant is notified and a place reserved for him in the College. *Each new student remains on probation during his first semester.* Each candidate for admission must present a certificate of sound health on a form provided by the Registrar.

Applicants who rank in the upper two-fifths of their classes in the schools in which they received their preparation, applicants from other colleges, and candidates who have passed the examinations of the College Entrance Examination Board are ordinarily admitted on certificate. The qualifications of others are determined by entrance examinations conducted by the College. Particulars regarding these examinations, which are held at intervals during the year, may be obtained from the Registrar.

Every candidate admitted to College will upon entrance take tests that measure his mental aptitude and his achievement in major subjects.

## TERMS OF ADMISSION

If the applicant is a graduate of a four-year school, he should offer for admission at least fifteen units; if he is a graduate of a senior high school, he should offer at least twelve units.

The applicant should present the following units: English, 3; Elementary Algebra, 1; Plane Geometry, 1; Science, 1; Social Studies, 1; Foreign Language, 2.



Candidates whose preparation does not precisely coincide with the foregoing outline may be admitted to the College if, in the judgment of the Committee on Admissions, they are qualified to do satisfactory college work.

A limited number of applicants for admission may be received as *Special Students*, provided they have satisfactory preparation for the college courses which they desire to pursue.

When admitted, special students are enrolled as members of the groups they choose to enter and are under the direction of the regular advisers. Special students must register for at least twelve hours of work in each semester, and are held accountable for the satisfactory completion of courses for which they register. They are subject to the same regulations as other students.

### ADMISSION TO ADVANCED STANDING

Applications for admission to advanced standing should be made to the Registrar of the College. The applicant should request the institution last attended to send to the Registrar a transcript of the student's record accepted for admission, a transcript of his record there, and a letter of honorable dismissal.

### ADMISSION AT MID-YEAR

At the beginning of the second semester a small group of students who have been graduated in the first fifth of their secondary school classes will be admitted. A student admitted at this time can complete his work for a degree in three and one-half years, provided that in college he make no grade lower than C, that his scholastic average at no time fall below B, and that at the beginning of each semester he obtain written permission of the Dean to undertake the work outlined by his Group Adviser.

## REGISTRATION

All students must register at the opening of the college year for the work of the whole year, and will not be allowed to change their registration or drop courses of study later than one week after Registration Day except by special permission of the Faculty. A fee of One Dollar is charged for registration on days other than those appointed for the registration of students in the College Calendar.

## ABSENCES

Students are expected to pursue their work without interruption or absence from any academic exercises. On account of exigencies such as sickness, the death of a relative, or duty away from college as a representative of the institution, a student is allowed each semester as many absences in any course as the number of exercises per week in that course. A student who is absent beyond this limit will be dropped from the course unless permitted to continue by the Dean and the professor in charge, and he will then be required to complete the work omitted and to take an Extended Examination, for which a fee of Five Dollars is charged. Absences are counted from the first class exercises in any subject. At the beginning and at the end of a semester and immediately preceding and following a recess absences count double. No excuses for absence are granted.

A third-year or a fourth-year student is permitted absences if during the preceding semester he has received no grade lower than B and at least one A.

A student who absents himself from a test previously announced must take a special test, for which he must pay a fee of One Dollar. Permits for such tests must be obtained at the Dean's Office.

## GROUP ADVISERS

At the beginning of the year the Faculty appoints from its own number an Adviser for the students in each of the seven Groups in which the courses of instruction are offered. He is the medium of communication between the Faculty and the students of his Group. The approval of the Group Adviser is necessary before a student may register for or enter upon any course of study, or discontinue any work.

## COUNSELORS

Each first-year student is assigned to a member of the Faculty who is his Counselor for friendly advice and guidance in the making of personal and social adjustments and in the correlation of his intellectual interests with the curriculum requirements.

## PUBLIC WORSHIP

Students are required to attend religious services in the College chapel each day of recitations, except Saturday, and are expected to attend services on Sunday morning in the church of their own or their parents' choice. Attendance is also required at all special public exercises appointed by the Faculty.

A student may not be absent from chapel services and other public exercises appointed by the Faculty more than ten times in a semester.

## COLLEGE PRINCIPLES

The College is committed both in principle and by tradition to a policy which opposes unnatural distinctions among its students. Equal opportunity for all is provided and a wholesome spirit of fraternity throughout the entire body is encour-



aged. A system of student government for young men, with powers inhering in a central representative body known as the Council, maintains order and encourages self-control in social and civil affairs. The life of the young women also is regulated through a system of self-government administered by the women students of the College. The aim of the institution is to train its students, through the performance of their social and civil obligations and duties, in those virtues which will fit them for the extraordinary responsibilities of educated men and women in after life. With this in view, the College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or paid in advance to the College will not be refunded in whole or in part.

#### DOMESTIC LIFE

The College aims to provide thoroughly healthful, wholesome, and homelike conditions in the residences for both young men and young women. The boarding department is made an educational asset in the institution. All resident students take their meals in well-lighted and well-ventilated dining rooms. The meals are prepared in a spacious, well-lighted, sanitary kitchen with complete modern equipment.

## COURSES OF INSTRUCTION

In designating courses of study, *odd* numerals are employed to represent the work of the first semester and *even* numerals the work of the second semester. When a single numeral is employed, the work represented constitutes a semester course. When two numerals are employed, the work represented constitutes a year course. When the numerals are connected by a hyphen, the course may be entered only at the opening of the year. When the numerals are separated by a comma, the course may not be discontinued, but may be entered at mid-year for the work of the second semester.

The credit value of each course, expressed in semester hours, is printed in *italics*. The hours per week are given in the definition of the course.

### BIOLOGY

PROFESSOR BROWNBAC, ASSOCIATE PROFESSOR SNELL,  
ASSISTANT PROFESSOR WAGNER

2. PERSONAL AND COMMUNITY HYGIENE. Study of the structure and physiology of systems in relation to personal hygiene; study of the problems of community hygiene. Lectures, papers, and discussions. Three hours per week. *Three semester hours.*

Course 2 is elective for first-year students in all the Groups.

3-4. GENERAL BIOLOGY. A survey of the biological facts and problems of the plant and animal kingdom. One semester is devoted to the study of zoölogy, the other to botany. In both semesters correlated laboratory and lecture work is definitely planned. Two hours of lecture and three hours of laboratory work. *Six semester hours.*

6. ADVANCED BOTANY. A course designed to acquaint the student with a more detailed study of the plant groups, stressing in particular the principles of taxonomy and ecology. Lectures and discussions followed by field and laboratory work. Prerequisite, Course 3-4. *Three semester hours.*

Course 6 is required for students who intend to apply for certification as teachers of biology in Pennsylvania.

7-8. VERTEBRATE ANATOMY. The comparative anatomy and relationships of the chordates. Prerequisite, Course 3-4. One hour of lecture and six hours of laboratory work. *Eight semester hours.*

Course 7-8 alternates with Course 9-10. Course 7-8 will be given in 1943-44.

9-10. HISTOLOGY AND EMBRYOLOGY. A course in the preparation and study of tissues and in the embryology of the chick. Prerequisite, Course 3-4. One hour of lecture and six hours of laboratory work. *Eight semester hours.*

11-12. HEREDITY. Designed to familiarize the student with the recent work in heredity and its social applications. Open to students who have had no biological training. Lectures, papers, and discussions. Two hours per week. *Four semester hours.*

Course 11-12 is open to third-year and fourth-year students only.

15-16. GENERAL PHYSIOLOGY. The study of the physical, chemical, and physio-chemical processes taking place in living matter. Prerequisite, Courses 3-4, 7-8 or 9-10 and Chemistry 1-2 and 7-8. Opportunity is given for students to investigate assigned problems at times other than regular hours. One hour of lecture and six hours of laboratory work. *Eight semester hours.*

17-18. ANATOMY AND PHYSIOLOGY. The human skeleton; muscular, respiratory, and circulatory systems; the internal organs; the special senses; all considered with reference to structure and function; secretion, absorption, and elimination. Models, charts, and parts of the human cadaver. Three hours per week. *Four semester hours.*

Course 17-18 is prescribed for students in the Physical Education Group.

NOTE.—A working knowledge of the leading biological contributions to present-day thought is presented in Courses 3-4 and 11-12. Students of the Chemistry-Biology Group taking their major work in biology must complete not less than twenty-four hours of work in the department. In most cases, this requirement will be met by taking courses 3-4, 6, 7-8 or 9-10, and 11-12. Such students will also be expected to take Chemistry 1-2 and 14 and Physics 1-2. Prospective medical students taking the full college course should take Courses 3-4, 7-8, 9-10, and if possible 15-16.



## CHEMISTRY

PROFESSOR STURGIS, ASSISTANT PROFESSOR PETTIT

A-B. INTRODUCTION TO SCIENCE. See BIOLOGY, Course A-B, p. 26.

1-2. GENERAL CHEMISTRY. The facts, theories, and laws of the chemistry of the commoner elements, their industrial uses, and their physiological and nutritional applications. Demonstrated lectures accompanied by oral and written recitations. The student preserves a record of laboratory observations which must be submitted to the instructor for correction and approval. Two hours of lecture and three hours of laboratory work. *Six semester hours.*

14. INORGANIC CHEMISTRY. A more detailed study of the theories and principles of chemistry accompanied by work in the solution of chemical problems. This course is to be pursued concurrently with Chemistry 2. Prerequisite, Chemistry 1. Two hours of lecture. *Two semester hours.*

3-4. QUALITATIVE ANALYSIS. The physico-chemical basis of analytical chemistry; analysis of metals and non-metals; practice in analysis of minerals, alloys, and commercial products. Prerequisite, Course 14. Two hours of lecture and three hours of laboratory work. *Six semester hours.*

5-6. QUANTITATIVE ANALYSIS. A study of the most acceptable methods of gravimetric and volumetric analysis. Prerequisite, Course 3-4. Two hours of lecture and four hours of laboratory work. *Six semester hours.*

7-8. ORGANIC CHEMISTRY. The study of the properties, synthesis, and structure of the most important classes of the carbon compounds. Prerequisite, Course 14. Three hours of lecture and three hours of laboratory work. *Eight semester hours.*

9-10. PHYSICAL CHEMISTRY. The course includes a study of the states of matter, the properties of solution, atomic structure, radioactivity, and other topics. Prerequisites, Physics 1-2; Courses 5-6. Three hours of lecture and three hours of laboratory work. *Eight semester hours.*

11. THE LITERATURE OF CHEMISTRY. The use of books, journals, and reports in the field of Chemistry. Open to third-year and fourth-year students in the Chemistry-Biology group. One hour per week. *One semester hour.*

Course 11, given in alternate years, will be given in 1944-45.

16. ADVANCED QUANTITATIVE ANALYSIS. This course may be taken with Chemistry 6. One hour of lecture and six hours of laboratory work. *Three semester hours.*

Students of the Chemistry-Biology Group taking their major work in Chemistry must complete not less than twenty-four hours of work in the department and students who plan to take graduate work in Chemistry must take all the courses listed. Prospective medical students taking the full college course must take Chemistry 1-2, 14, 3-4, and 7-8.

## ECONOMICS

PROFESSOR BOSWELL, PROFESSOR BONE

1, 2. ECONOMIC HISTORY. A study of the economic development of the United States from the Colonial period down to the present time. Some attention is given to the European origins of our economic institutions and attitudes. Two hours per week. *Four semester hours.*

Course 1, 2 is elective in all groups.

3-4. PRINCIPLES OF ECONOMICS. An analysis of our economic organization, including the study of such topics as the organization of production, value and exchange, mediums of exchange and our banking system, business cycles, international trade and the tariff, the distribution of wealth, monopolies, competition and other current problems. Three hours per week. *Six semester hours.*

Course 3-4 is a prerequisite for all other courses except Course 1, 2.

5. LABOR PROBLEMS AND PERSONNEL ADMINISTRATION. A study of human relations arising from industrial organization and the employers' part in bringing about industrial peace. Prerequisite, Course 3-4. Three hours per week. *Three semester hours.*

Course 5, given in alternate years, will be given in 1944-45.

6. BUSINESS FINANCE. A study of the financial aspects of business management, including such topics as the problems to be considered in launching an enterprise, methods of organizing, methods of financing, form of ownership, handling of sinking and depreciation funds, interpreting financial statements, extending credit, and distributing earnings. Prerequisite, Courses 3-4 and 11-12. Three hours per week. *Three semester hours.*

Courses 15 and 6 alternate with Courses 19 and 20. Courses 19 and 20 will be given in 1943-44.

7. MARKETING. A survey of the marketing mechanism and a comparative study of the most usual methods and practices. Special attention is given to such problems as the elimination of the middleman, market analysis, sales quotas, the incidence of advertising, and co-operative marketing. Prerequisite, Course 3-4. Three hours per week. *Three semester hours.*

8. FOREIGN TRADE. The relation of foreign trade to national prosperity; the foreign trade policies of the more important countries; export marketing machinery; the methods of export merchandising followed by several of our large corporations; documentation; credit extension. Prerequisite, Courses 3-4 and 7. Three hours per week. *Three semester hours.*

9-10. MONEY AND BANKING. A brief study of monetary and banking theories followed by a careful analysis of the services and methods of operation of various financial institutions such as commercial banks, clearing house associations, the Federal Reserve banks, Farm Loan banks, note brokers, commercial paper houses, finance companies, and investment houses. Three hours per week. *Six semester hours.*

Course 9-10 alternates with Courses 13 and 14. Courses 13 and 14 will be given in 1943-44.

11-12. PRINCIPLES OF ACCOUNTING. Fundamental principles involved in single ownership, partnership, and corporate forms of organization, including large enterprises and manufacturing types of business; rules for debit and credit, journalizing, operation of columnar books with and without controlling accounts, methods of handling cash inventories, preparation of trial balance and financial statements and closing the books; procedure for handling capital stock, bonds, valuation reserves. Problems, questions, and a systematic practice set supplement the work. Two hours of lecture and two hours of laboratory per week. *Six semester hours.*

13. PUBLIC FINANCE AND TAXATION. A study of the general principles of public expenditures, public revenues, public indebtedness, and financial administration. Attention will be given to the principles and workings of the Federal Income Tax law. There will be class assignments in solving actual income tax problems. Two hours per week. *Two semester hours.*

14. RAILWAY TRANSPORTATION. A study of the financing of railroad construction in the United States; rate making, routing, personal and territorial discrimination, competition and consolidation; state and federal legislation and regulation; government operation;



criticisms of some of the proposed solutions of our railway problems. Three hours per week. *Three semester hours.*

15. BUSINESS LAW. An introductory course covering the fundamental principles and procedures governing contracts, sales, negotiable paper, partnerships, corporations, and business associations. Lectures, readings, and study of cases and problems. Prerequisite, Courses 3-4 and 6. Three hours per week. *Three semester hours.*

17, 18. BUSINESS ORGANIZATION. A survey study of the organization and management of industrial activities and their relation to each other. The historical background, organization, physical plant, standardization, wage payment methods, employment and handling of men; control of production, planning and operation; executive control. Prerequisite, Course 3-4. Three hours per week. *Six semester hours.*

19. ADVANCED ACCOUNTING. A study of advanced accounting principles and the application of principles to the analysis of problems. The principal subjects discussed are analysis of profits, application of funds, capital expenditures and depreciation policies, determination of costs for inventory valuation, installment accounts, branches and agencies. Special consideration will be given to consolidation, reorganization, and liquidation. Prerequisite, Course 11-12. Two hours per week. *Two semester hours.*

20. INTRODUCTORY COST ACCOUNTING. A study of the fundamental principles of cost accounting. Methods of finding the cost of specific orders or lots, fundamentals of process costs, accounting for by-products and joint products, estimate costs, and standard costs. Emphasis is placed upon the bookkeeping procedure and upon acquiring familiarity with the use of forms commonly used in cost accounting. Prerequisite, Course 11-12. Two hours per week. *Two semester hours.*

Courses 19 and 20 alternate with Courses 15 and 6. Courses 19 and 20 will be given in 1943-44.

MATHEMATICS OF FINANCE. See MATHEMATICS, Courses 13-14 and 15-16, p. 51.

Instruction in typing and shorthand is available. No academic credit is given for this work.

## EDUCATION

PROFESSOR TYSON, ASSOCIATE PROFESSOR HEIGES,  
ASSOCIATE PROFESSOR MICHAEL

1. INTRODUCTION TO TEACHING. A survey of the field of education. The approach of the study of education through the underlying



sciences. Analytical and constructive attempt to define education. Differentiation of the several fields of study. A preliminary course for all students of education. Three hours per week. *Three semester hours.*

Course 1 is prescribed for second-year students who are preparing to teach.

2. PRINCIPLES OF SECONDARY EDUCATION. The secondary school in America and in foreign countries; individual, social, and vocational aims; nature and interests of adolescents; subjects of the curriculum; program making. Prerequisite, Education 1. Three hours per week. *Three semester hours.*

Course 2 is prescribed for second-year students who are preparing to teach.

3. EDUCATIONAL PSYCHOLOGY. The data of psychology in their bearing upon teaching and learning; instinctive equipment of the learner; variation in human capacities; inheritance of human traits; rate and progress of learning; transference of training and allied subjects. Prerequisites, Psychology 1 or 2 and Education 1 and 2. Three hours per week. *Three semester hours.* See PSYCHOLOGY, Course 5.

Course 3 is prescribed for third-year students who are preparing to teach.

4. PRINCIPLES OF TEACHING AND LEARNING. The application of the principles of educational psychology to teaching in the secondary school; the teacher as a guide of learning; the activities in which the teacher is called upon to engage. This course is required by the department for all persons who expect to qualify for practice teaching. Prerequisites, Education 1, 2, 3. Three hours per week. *Three semester hours.*

Course 4 is prescribed for third-year students who are preparing to teach.

5, 6. STUDENT TEACHING. A laboratory course in student teaching, consisting of observation, participation and teaching in neighboring high schools with individual and group conferences. Consult the instructor for the requirements of different states. Required to complete certification. Open only to fourth-year students who meet the personality and scholastic requirements. Prerequisites, Courses 1, 2, 3, and 4. Maximum credit: *Six semester hours.*

7. HISTORY OF EDUCATION. The development of educational ideas, institutions, and practices to the present time. Foundation elements; Greek, Roman, and Christian; great educational movements; the edu-

cational reformers; the origin and growth of national systems; the scientific movement of the nineteenth century; present tendencies. Three hours per week. *Three semester hours.*

10. EDUCATIONAL AND PSYCHOLOGICAL TESTS AND MEASUREMENTS. An introductory survey of the field of measurement in education, including measurement of intelligence and school results; main features of the technique of testing and test construction; types of tests and scales; evaluation; interpretation; use. Prerequisite, Education 3. Three hours per week. *Three semester hours.*

12. THE TEACHING OF SCIENCE IN THE SECONDARY SCHOOL. This course is designed to acquaint the prospective teacher with the purposes and problems of the teaching of science in the secondary school. The chief topics include the development of objectives, the organization of typical curricula, and the methods used in both junior and senior high schools. Open to fourth-year students who are preparing to teach science. Three hours per week. *Three semester hours.*

For similar courses in other fields see English 25, French 21, German 21, Latin 10, Mathematics 23-24, Physical Education 5-6, and Political Science 21-22.

## REQUIREMENTS FOR CERTIFICATION OF HIGH SCHOOL TEACHERS IN PENNSYLVANIA

Subsequent to September 1, 1943 all permanent certificates issued by the Department of Public Instruction to teach in the public schools of the Commonwealth, shall, in addition to the present regulations, require a basic course in the history of the United States and of Pennsylvania.

Subsequent to September 1, 1944, all certificates issued by the Department of Public Instruction to teach in the public schools of the Commonwealth, shall, in addition to the present regulations, require a basic course in the history of the United States and of Pennsylvania.

## REQUIREMENTS FOR THE TEACHING OF SCIENCE AND SOCIAL STUDIES IN PENNSYLVANIA

### Distribution of Required Eighteen Semester Hours.

#### A. SCIENCE.

1. A certificate of standard grade will be validated for the teaching of science upon the completion of eighteen semester hours of approved preparation in science distributed as follows:

Physical sciences, nine semester hours including three semester hours in physics and three semester hours in chemistry.

Biological sciences, nine semester hours including three semester hours in botany and three semester hours in zoölogy.

2. Where the applicant presents eighteen semester hours of approved preparation in physical sciences including six semester hours in chemistry and six semester hours in physics, "physical science" will be written upon the certificate.

3. Where the applicant presents eighteen semester hours of approved preparation in biological science including six semester hours in botany and six semester hours in zoölogy, "biological science" will be written upon the certificate.

#### B. SOCIAL STUDIES.

1. "Social studies" will be written upon the certificate when the applicant presents evidence of having completed eighteen semester hours of approved preparation in the social studies distributed as follows:

Social Science .....nine semester hours

History .....nine semester hours

2. Where the applicant has completed eighteen semester hours of approved preparation in social science, "social science" will be written upon the certificate.

3. Where the applicant has completed eighteen semester hours of approved preparation in history, "history" will be written upon the certificate.

#### REQUIREMENTS FOR CERTIFICATION OF HIGH SCHOOL TEACHERS IN NEW JERSEY

A. To teach in grades seven and eight the subjects prescribed for the elementary school curriculum and in a high school the subjects endorsed on the certificate.

B. 1. A college degree with a credit of twelve units in English language and literature, twelve units in social studies, and six units in science.

2. For endorsement on the certificate, thirty credits in a major teaching field and eighteen credits in a minor teaching field, provided that in place of one minor teaching field two minors may be presented with not less than twelve credits in each of certain subjects specified by New Jersey. For a list of these subjects, see the Professor of Education.



3. Eighteen credits in the study of secondary education including health education, 3; educational psychology, 3; aims and organization of secondary education, 3; principles and techniques of teaching in the school, 3; curriculum organization and courses of study in one endorsed teaching field, 3; elective, 3.

*Students preparing to teach in states other than Pennsylvania and New Jersey should consult the Professor of Education to ascertain the specific course requirements of the particular state in which they wish to be certified.*

To meet the requirements for certification to teach, preparation should be begun not later than the first semester of the second year. Students planning to teach should confer with the Professor of Education or with their Adviser in choosing the field for which they will prepare.

## ENGLISH

PROFESSOR MCCLURE, PROFESSOR WITMER, PROFESSOR BANCROFT,  
ASSOCIATE PROFESSOR YOST, ASSISTANT PROFESSOR MATTERN

### COMPOSITION

1-2. FIRST-YEAR ENGLISH. The study of the principles of writing, with special attention to exposition; the study of modern prose specimens as models; the reading of certain English and American books for the purpose of developing the ability to enjoy literature. Three hours per week. *Six semester hours.*

Course 1-2 is prescribed for first-year students in all the groups.

3-4. ADVANCED RHETORIC AND COMPOSITION. Recitations based on an advanced textbook of rhetoric, supplemented with lectures, to help students acquire individuality and flexibility of style; rhetorical analysis, requiring a critical study of prose models; frequent short and occasional long compositions for practice; supplementary readings and individual conferences. Three hours per week. *Six semester hours.*

Course 3-4 is elective for all students who have passed Course 1-2.

5, 6. EXPOSITION AND ARGUMENTATION. A study of the principles that underlie effective explanation, conviction, and persuasion, based on textbooks, lectures, supplementary readings, and personal conferences; analysis of typical models; frequent writing of outlines, briefs, abstracts, and compositions. Three hours per week. *Six semester hours.*



Courses 5 and 6 are elective for all students who have passed Course 1-2.

Courses 5 and 6 alternate with Courses 7 and 8. Courses 5 and 6 will be given in 1943-44.

7, 8. DESCRIPTION AND NARRATION. A study of the principles underlying these imaginative types, based on textbooks, lectures, supplementary reading, and personal conferences; critical study of literary masterpieces; constant practice in writing factual and fictional compositions of both types. Three hours per week. *Six semester hours.*

Courses 7 and 8 are elective for all students who have passed Courses 1-2.

9-10. NEWSWRITING AND JOURNALISTIC PRACTICE. A study of the structure, methods, and standards of modern newspapers. Practice in the writing of news stories, feature articles, criticisms, and editorials. Two hours per week. *Four semester hours.*

#### LITERATURE

3-4. SURVEY OF ENGLISH LITERATURE. The history of English literature from the beginnings to the present. Special attention is given to the social background. Two hours per week. *Four semester hours.*

Course 3-4 is prescribed for second-year students in the English Group and is elective in other groups.

5. THE ENGLISH ESSAY. EIGHTEENTH CENTURY. A study of the essay and non-fictional prose from the age of Queen Anne to the end of the eighteenth century. Lectures on the essay before Addison. Two hours per week. *Two semester hours.*

Course 5 is prescribed for third-year and fourth-year students in the English Group and is elective in other groups.

6. THE ENGLISH ESSAY. NINETEENTH CENTURY. A study of the essay and non-fictional prose from Lamb to Stevenson, with some attention to the essay since 1900. Two hours per week. *Two semester hours.*

Course 6 is prescribed for third-year and fourth-year students in the English Group and is elective in other groups.

Courses 5 and 6 alternate with Courses 7 and 8. Courses 7 and 8 will be given in 1943-44.

7. ENGLISH POETRY, 1660-1824. A study of English poetry from the Restoration to the death of Byron. The rise and decline of neo-

classicism; the romantic revival. Two hours per week. *Two semester hours.*

Course 7 is prescribed for third-year and fourth-year students in the English Group and is elective in other groups.

8. ENGLISH POETRY, 1824-1890. A study of the poetry of Tennyson and his contemporaries. A consideration of the political and social movements of the period. Two hours per week. *Two semester hours.*

Course 8 is prescribed for third-year and fourth-year students in the English Group and is elective in other groups.

9, 10. SHAKESPEARE. The development of English drama from the beginning to 1642; the reading of Shakespeare and his contemporaries. Three hours per week. *Six semester hours.*

Courses 9 and 10 are prescribed for third-year and fourth-year students in the English Group and are elective in other groups.

Courses 9 and 10 alternate with Courses 15 and 16. Courses 9 and 10 will be given in 1943-44.

11-12. INTRODUCTION TO ANGLO-SAXON AND THE HISTORY OF THE ENGLISH LANGUAGE. Two hours per week. *Four semester hours.*

Course 11-12 is prescribed for second-year students in the English Group and is elective in other groups.

15. MODERN POETRY. English and American poetry from 1890 to the present. Two hours per week. *Two semester hours.*

Course 15 is elective for second-year, third-year, and fourth-year students in all groups.

16. ENGLISH POETRY, 1500-1660. The development of narrative and lyric poetry. Two hours per week. *Two semester hours.*

Course 16 is elective for second-year, third-year, and fourth-year students in all groups.

Courses 15 and 16 alternate with Courses 9 and 10. Courses 9 and 10 will be given in 1943-44.

17. THE ENGLISH NOVEL. A reading course in the development of the novel from its origin to the present, with special attention to the novel since 1890. Two hours per week. *Two semester hours.*

Course 17 is elective for second-year, third-year, and fourth-year students in all groups.

18. MODERN DRAMA. A reading course in the modern European and American drama from Ibsen to the present. The contemporary drama in English is stressed. Two hours per week. *Two semester hours.*

Course 18 is elective for second-year, third-year, and fourth-year students in all groups.

Courses 17 and 18 alternate with Course 19-20. Courses 17 and 18 will be given in 1943-44.

19-20. AMERICAN LITERATURE. A study of American literature from Colonial times to the present, with a consideration of the social history of the period. Two hours per week. *Four semester hours.*

Course 19-20 is prescribed for third-year and fourth-year students in the English Group and is elective in other groups.

21-22. COMPARATIVE LITERATURE. A study in European ancient and mediæval literature in English translations, offering a comprehensive background for English literature. Principal emphasis is laid upon the classical literature of Greece and Rome, mediæval and early modern literature. Two hours per week. *Four semester hours.*

Course 21-22 is elective for third-year and fourth-year students in all groups.

24. ENGLISH POETRY. The study of special topics in English poetry. Prerequisite, Course 3-4. Three hours per week, *Three semester hours.*

Course 24 is elective for fourth-year students, with the permission of the instructor.

25. SEMINAR. The study and teaching of English: a consideration of problems, materials, and methods. Three hours a week. *Three semester hours.*

Course 25 is elective for fourth-year students in the English Group. Others are admitted only by special permission.

## FRENCH

ASSISTANT PROFESSOR WILCOX

In arranging his curriculum, every regular student must provide for meeting the following requirement: (a) six semester hours of the modern language offered for admission, provided the student passes a satisfactory achievement test at matriculation; or (b) twelve semester hours of the modern language offered for admission, if the student has not passed a satisfactory achievement test at matriculation; or (c) twelve semester hours of a modern language begun in college.

1-2. BEGINNING FRENCH. (For those who begin French in college, for those who have had one year of French in high school, and for those who have had two years of French in high school but who in the Freshman achievement tests show an insufficient knowledge of



French). Beginning grammar and pronunciation, with elements of phonetics. Reading and translation of graded texts to begin late in the first semester. Three hours per week. *Six semester hours.*

3-4. INTERMEDIATE FRENCH. Review of French grammar and syntax, with more advanced treatment of phonetics. Special attention to verbs and idioms. Reading and translation of graded texts once a week. Prerequisite, Course 1-2, or equivalent. Three hours per week. *Six semester hours.*

5-6. FRENCH PROSE OF THE NINETEENTH CENTURY. Readings and translations of French prose since the beginning of the Romantic Movement. Lectures in French on French literature and literary movements during the nineteenth century. Class discussions in French. Outside readings. Prerequisite, Course 3-4, or equivalent. Two hours per week. *Four semester hours.*

Course 7-8 alternates with Course 5-6. Course 5-6 will be given in 1943-44.

7-8. FRENCH DRAMA OF THE NINETEENTH CENTURY. Readings and translations of French drama and poetry since the beginning of the Romantic Movement. Lectures in French on French literature and literary movements during the nineteenth century. Class discussions in French. Outside readings. Prerequisites, Course 3-4, or equivalent. Two hours per week. *Four semester hours.*

9-10. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. Readings and translations of French prose, poetry, and drama of the Classical Period of French Literature. Lectures in French on the literary movements of the seventeenth century. Class discussions in French. Outside readings. Prerequisite, Course 5-6, 7-8, or equivalent. Two hours per week. *Four semester hours.*

Course 9-10 alternates with Course 11-12. Course 11-12 will be given in 1943-44.

11-12. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. Readings and translations of French prose, poetry, and drama from the decline of Classicism to the beginning of Romanticism. Lectures in French on the literary movements of the eighteenth century. Class discussions in French. Outside readings. Prerequisite, Course 5-6, 7-8, or equivalent. Two hours per week. *Four semester hours.*

13-14. ADVANCED FRENCH COMPOSITION. Advanced treatment of French grammar and syntax. Intensive drill on up-to-date idioms and conversational forms. Practice in written and spoken French. Original compositions in French. Prerequisite, Course 3-4, or equivalent. Two hours per week. *Four semester hours.*



21. TEACHERS' COURSE IN FRENCH. Advanced treatment of French phonetics and pronunciation. Lectures in French on French phonology and morphology. Discussions of modern texts on class methods and class problems. Study of modern French texts. Reports on selected subjects. Prerequisite, Course 13-14 and Course 9-10 or 11-12. Three hours per week. *Three semester hours.*

22. FRENCH CONVERSATION. Forum lectures and discussions on French history, customs, and literature. All discussions and written reports in French. Open only to students who have completed at least sixteen hours of French. Three hours per week. *Three semester hours.*

### GERMAN

ASSOCIATE PROFESSOR HARTZELL, MR. STEINMETZ

In arranging his curriculum, every regular student must provide for meeting the following requirement: (a) six semester hours of the modern language offered for admission, provided the student passes a satisfactory achievement test at matriculation; or (b) twelve semester hours of the modern language offered for admission, if the student has not passed a satisfactory achievement test at matriculation; or (c) twelve semester hours of a modern language begun in college.

1-2. ELEMENTARY GERMAN. Drill in pronunciation; the essentials of grammar; practice in speaking and writing; reading of simple prose and poetry. Three hours per week. *Six semester hours.*

Course 1-2 is elective for all students who do not offer German for admission.

3, 4. INTERMEDIATE GERMAN. Review of grammar with oral and written exercises. Reading of tales, short stories, and novels. Constant attention is given to pronunciation and syntax. Three hours per week. *Six semester hours.*

5. ADVANCED GERMAN READING. Reading of advanced material with particular attention to literary and cultural value. Three hours per week. *Three semester hours.*

6. GOETHE'S FAUST. A study of the background of the Faust legend; translation of Goethe's *Faust I*; lectures on the importance of *Faust* to an understanding of Goethe. Three hours per week. *Three semester hours.*

7, 8. GERMAN OF THE CLASSIC PERIOD. Reading of works by Lessing, Schiller, and Goethe, with a study of the classic period. Outline

of the history of German literature. Written themes on assigned topics. Two hours per week. *Four semester hours.*

Courses 7, 8 alternate with Courses 9, 10. Courses 7, 8 will be given in 1943-44.

9, 10. MODERN GERMAN LITERATURE. Reading of the works of representative writers of the nineteenth and twentieth centuries. Outline of the history of the literature of this period. German newspapers; written themes on assigned topics. Two hours per week. *Four semester hours.*

11-12. SCIENTIFIC GERMAN. This course is planned to furnish drill in the reading of modern scientific German. It is intended for students pursuing courses in the natural sciences and for pre-medical students. It will be open to students who have had at least two years of German. Two hours per week. *Four semester hours.*

Course 11-12 alternates with Course 13-14. Course 13-14 will be given in 1943-44.

13-14. ORAL AND WRITTEN COMPOSITION. This course comprehends a thorough drill in both oral and written composition. The principles of grammar are reviewed and syntax is stressed in the preparation of the written work as well as in oral expression. Special attention is given to the use of correct idiom. Two hours per week. *Four semester hours.*

21. TEACHERS' COURSE. A thorough drill in phonetics; special attention is given to correct pronunciation and the methods of teaching correct pronunciation; lectures and discussions on the methods of teaching foreign languages; a survey of textbooks and other material suitable for elementary classes. Three hours per week. *Three semester hours.*

## GREEK

ASSOCIATE PROFESSOR BAKER

1-2. BEGINNING GREEK. Allen, *First Year of Greek*. Attention is paid to the Greek element in English words and to the social customs and institutions of the Greeks. Three hours per week. *Six semester hours.*

Course 1-2 is elective for students in all groups.

3. INTERMEDIATE GREEK. Xenophon, *Anabasis*. Readings on the history of Greek literature. Three hours per week. *Three semester hours.*

4. HOMER. Selections from the *Iliad* and the *Odyssey*. Three hours per week. *Three semester hours.*

5-6. GREEK HISTORY AND COMEDY. Thucydides and Aristophanes, selections. This course will include papers and outside readings and is designed to give the student a complete picture of Athens during the latter half of the fifth century, B.C. Three hours per week. *Six semester hours.*

7. LATER GREEK PROSE. Selections from Arrian, Aristotle, and Lucian. Three hours per week. *Three semester hours.*

8. NEW TESTAMENT GREEK. The Gospel of St. Luke and the Acts of the Apostles. Papers and lectures on Hellenistic religions. Three hours per week. *Three semester hours.*

### HEALTH AND PHYSICAL EDUCATION

PROFESSOR TYSON, ASSOCIATE PROFESSOR SNELL, ASSISTANT PROFESSOR  
BAILEY, MISS HOGELAND, MRS. HAMPSON

1. INTRODUCTION TO PHYSICAL EDUCATION. An orientation course dealing with the interpretation, objectives, and current problems in physical education. This course aims to create an intelligent professional understanding of the field. Two hours per week. *Two semester hours.*

2. PRINCIPLES AND HISTORY OF PHYSICAL EDUCATION. An historical analysis of the physical education principles, philosophies, and activities of man from primitive to modern times. A study of the forces activating the different physical education practices and of the relation of physical education to education in general. Two hours per week. *Two semester hours.*

3. COMMUNITY RECREATION PROGRAMS. A comprehensive analysis of the leisure time problem. An examination of the nature, scope, need and function of community recreation programs, of the social and economic forces affecting them, and of the problems and responsibilities attendant upon recreational leadership. Study is made of the various agencies participating in the field with special stress upon the contributions of physical education. Attention is given to the construction, organization, and administration of programs for playgrounds, recreation centers, and other social institutions. Three hours per week. *Three semester hours.*

4. LEADERSHIP IN CAMP AND CLUB ACTIVITIES. Discussion of the principles, characteristics, and processes of leadership in light of their significance to directors of camp and club activities. An examination of the different types of camps and camp programs, the problems and responsibilities of counselling and of leadership in the various



junior and senior high school clubs. Emphasis is placed upon the opportunities inherent within these organizations for character development. Three hours per week. *Three semester hours.*

5. PRINCIPLES AND METHODS OF TEACHING PHYSICAL EDUCATION. Principles, methods, and problems of teaching physical education activities at the elementary and secondary school levels. The content and organization of the physical education program is examined and evaluated with respect to general education and specific teaching situations. Opportunity is given for observation, laboratory practice in teaching, and the construction of curricula. Two hours per week. *Two semester hours.*

6. METHODS OF HEALTH INSTRUCTION. Analysis of the principles, materials and methods involved in the teaching of health at different age levels. Consideration is given to the construction of workable health teaching programs and to laboratory practice as in Course 5. Two hours per week. *Two semester hours.*

7-8. PRINCIPLES AND METHODS OF COACHING AND OFFICIATING. This course is designed with particular reference to the needs of prospective coaches and officials. Special attention is given to developing an understanding of the fundamentals of individual and team play. Discussion includes equipment, training and preparation for contests, psychological consideration, ethical aspects, and general problems relative to the coaching of competitive teams. Stress is placed on the study and interpretation of the rules and the techniques and qualifications for successful officiating. Opportunities for practice in coaching and officiating are given in connection with the intramural and required physical education programs. The following sports are included: (men) football, soccer, basketball, baseball, tennis, track, and field; (women) hockey, soccer, basketball, tennis, softball, track, and field. Two classroom hours and one hour of practice per week. *Four semester hours.*

9. ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION, AND RECREATION. A study of the administrative problems in health, physical education, and recreation. The following topics are considered: relationship of health education, physical education, and recreation, the responsibility of the school for these programs, the personnel and functions of the teaching staff, the required, intramural, interscholastic, and intercollegiate activity programs, gymnasium equipment and facilities, locker and shower rooms, swimming pools, care of playgrounds and athletic fields, budget and finance, state responsibility, the legal aspects of administration. Three hours per week. *Three semester hours.*



10. TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION. This course aims to familiarize the student with the nature, function, and history of specific tools of measurement in the field of health and physical education and to give him working knowledge and experience in the use of essential statistical procedures. Health examination and physical inspection procedures are studied. Opportunity is given for practice in testing and in interpreting the data obtained. Three hours per week. *Three semester hours.*

14. PROBLEMS AND MATERIALS OF HEALTH AND SAFETY EDUCATION IN SCHOOL PROGRAMS. The scope, responsibility, and function of the health education program in the school with particular stress upon the phases of healthful school living, health service, and safety education. The normal growth and developmental processes of the child as well as the nature, causes and effects of common growth divergencies are considered. Available health materials are examined and evaluated. Two hours per week. *Two semester hours.*

16. FIRST AID. Preventive procedures and emergency treatment for all types of common injuries. A course designed to give the student directed practice in the application of first aid knowledge. Red Cross Standard First Aid certificates may be obtained by those who satisfy the requirements. Two hours per week. *One semester hour.*

16a. FIRST AID. Basic training in preventive procedures and emergency treatment of illness and injury. Opportunity for additional practical application of First Aid. Red Cross Advanced First Aid certificates may be obtained by those who satisfy the requirements. Advanced certificate may be converted into instructor's certificate by taking ten hours additional work with a representative from the National Red Cross Headquarters. Three hours per week. *Two semester hours.*

17. CARE AND PREVENTION OF ATHLETIC INJURIES. This course deals with the causes of common injuries incident to athletic competition and stresses methods of prevention and treatment. Two hours per week. *One semester hour.*

19. MECHANICAL-ANATOMICAL ANALYSIS OF ACTIVITIES. An anatomical analysis of the mechanics of body movement and position. A study of the fundamental anatomical concepts in relation to the development of physical education skills. Two hours per week. *Two semester hours.*

20. PHYSICAL EDUCATION FOR ATYPICAL CHILDREN. An analysis of the general conditions producing atypical children, of the biological

and physiological aspects involved, and of the resultant psychological and sociological problems. Methods are given for the selection and classification of these individuals and for the adaptation of activities to meet their needs. This program is considered in its cooperative relationship to the school health and physical education curriculum and to various outside agencies. Three hours per week. *Three semester hours.*

22. PHYSIOLOGY OF ACTIVITY. The physiological phenomena underlying physical activity. The anticipatory, immediate, and after effects of exercise on the different organs and the organism as a whole. Class discussion and laboratory demonstration. Two hours per week. *Two semester hours.*

23. PAGEANTRY WRITING. The theory of pageantry and its place in dramatic art. A survey of the fine arts with a view to their correlated use in festival and pageant. The writing of pageants suitable for campus production on May Day and pageants for special purposes. Two hours per week. *Two semester hours.*

24. PAGEANTRY PRODUCTION. A study of production technique. Under supervision, students are given experience in the handling of committees and the management of the May Day pageant and other pageants. Two hours per week. *Two semester hours.*

## PHYSICAL EDUCATION ACTIVITIES

### GENERAL ACTIVITIES

101-2. GENERAL ACTIVITIES. A basic course in physical activities, designed for the development of organic vigor and the essential neuro-muscular skills. It aims to provide the student with recreative activities which may be valuable in later life and to create situations which may foster satisfactory social and moral outcomes. Seasonal activities of both group and individual nature are provided. For men: tennis, touch football, soccer, basketball, volleyball, general group games, quoits, softball, track, and field. For women: tennis, soccer, hockey, speedball, dancing, basketball, volleyball, stunts and tumbling, general group games, softball, and archery. *This course is a requirement for graduation for all students except those in the Physical Education Group, and must be completed in either the first or second year.* Two hours per week. *Not a credit course.*

### PROFESSIONAL COURSES

201, 2. FIRST YEAR ACTIVITIES. Physical education activities of a seasonal nature make up the major content of the course, with general emphasis on those of a team or group nature. Stress is placed upon

the teaching and mechanical analysis of the individual skills and fundamental techniques. Study is made of the characteristic forms of different folk dances and their music. Outdoor activities include (men) football, touch football, soccer, speedball, tennis, softball, baseball, track, and field; (women) soccer, speedball, tennis, hockey, softball, track and field. The indoor activities for both men and women include marching, tactics, calisthenics, apparatus work, folk dancing, group games, self-testing activities, basketball. Six hours per week. *Four semester hours.*

203, 4. SECOND-YEAR ACTIVITIES. A continuation of Course 201, 2 with added emphasis upon methods of teaching and the development of strategy and team play. Attention is given to the selection, adaptation, and use of music suitable for the various types of rhythmic activities. The following outdoor activities are included: (men) football, touch football, soccer, speedball, tennis, softball, baseball, volley ball, badminton, track, field, canoeing, aquatic activities; (women) soccer, speedball, tennis, hockey, softball, track, field, canoeing, aquatic activities. Indoor activities for both men and women include marching and tactics, calisthenics, apparatus work, stunts, tumbling, self-testing activities, group games, rhythms, tap dancing, basketball. Six hours per week. *Four semester hours.*

205, 6. THIRD-YEAR ACTIVITIES. This course offers a variety of individual activities which are in common use in the field of physical education. The course includes (men and women) archery, riding, badminton, tennis, volleyball, swimming, diving, golf, canoeing, aquatic activities, group games, social dancing, tap dancing, marching, apparatus work, stunts, tumbling, pyramids, etc.; (men) track and field, wrestling; (women) modern dancing. A study is made of percussion instruments and their use in the dance. Six hours per week. *Four semester hours.*

207, 8. FOURTH-YEAR ACTIVITIES. A continuation of Course 205, 6. New activities are included and added emphasis is placed upon some of the more important individual sports already covered. A portion of this course is given over to review and to examinations for a comprehensive rating in physical education. The work in this course includes (men and women) archery, riding, golf, badminton, swimming, life saving, deck tennis, paddle tennis, quoits, horseshoes, canoeing, aquatic activities; (men) boxing; (women) modern dancing. Opportunity is given for original composition. Six hours per week. *Four semester hours.*



## HISTORY

PROFESSOR WHITE, PROFESSOR CARTER, ASSOCIATE PROFESSOR BAKER

1-2. HISTORY OF EUROPEAN CIVILIZATION. A course designed to form a background for advanced courses in the social sciences and also to be of value to students majoring in other departments. A survey of the life of primitive man, the ancient civilizations of the Near and Far East, of Greece and Rome, and the cultural development of the European nations. Three hours per week. *Six semester hours.*

Students in all groups are required to take Course 1-2 in their first or second year.

3. RENAISSANCE AND REFORMATION. A study of society, life, and thought during the period of transition from medieval to modern times. The effect of the Renaissance upon religious thought and expression. Political consequences of these developments. Three hours per week. *Three semester hours.*

4. SEVENTEENTH AND EIGHTEENTH CENTURY EUROPE. The political dominance of France and England, with the rise of Russia and Prussia, will be presented against a background of intellectual and economic change. Attention will be directed to the leaders of political and social thought and their personalities. Three hours per week. *Three semester hours.*

Courses 3 and 4 alternate with Course 7-8. Courses 3 and 4 will be given in 1943-44.

5-6. EUROPE AND ASIA SINCE 1789. The French Revolution, the Napoleonic period, and the Congress of Vienna. The Industrial Revolution. Nineteenth Century democracy, nationalism, and imperialism. The World War and the after-war readjustments. Three hours per week. *Six semester hours.*

Course 5-6 alternates with Courses 11 and 12. Courses 11 and 12 will be given in 1943-44.

7-8. HISTORY OF ENGLAND AND THE BRITISH EMPIRE. First semester: English political and institutional history from the early Britons to William III. Development of language and literature. Second semester: England as a constitutional monarchy; development of Parliament and the Cabinet; the growth of the Empire; problems in colonial and world relations. Three hours per week. *Six semester hours.*

Course 7-8 alternates with Courses 3 and 4. Courses 3 and 4 will be given in 1943-44.



9, 10. HISTORY OF THE UNITED STATES AND OF PENNSYLVANIA. Economic, social, and political phases of American history studied in connection with the constitution, political parties, the tariff, slavery, westward expansion, the growth of modern business, international relations, present-day problems, and the development of Pennsylvania. Three hours per week. *Six semester hours.*

Open to third-year and fourth-year students who have had Course 1-2 or its equivalent. An additional year of European history is desirable.

11. SEMINAR IN AMERICAN HISTORY. Subjects chosen from such fields as colonial history, the history of the West, the Civil War period. Three hours per week. *Three semester hours.*

Open only to third-year and fourth-year students who have had two years' work in history.

12. SEMINAR IN AMERICAN HISTORY. Subjects chosen from the problems of American foreign relations, including those of Latin America. Three hours per week. *Three semester hours.*

Open only to third-year and fourth-year students who have had two years' work in history.

Courses 11, 12 alternate with Course 5-6. Courses 11, 12 will be given in 1943-44.

13. HISTORY OF THE PACIFIC AND THE FAR EAST. The history of Australia, New Zealand, and the major island groups of the Pacific, together with that of the mainland of Eastern Asia, with a view to understanding the significant aspects of their political and cultural background, and their importance in the present world situation. Prerequisite, History 1-2. Three hours per week. *Three semester hours.*

14. CANADA AND LATIN AMERICA. The history of the Western Hemisphere, exclusive of the United States, from the period of discovery and exploration to the present, with the purpose of providing an appreciation of their special problems and their special characteristics, and the relation of these factors to the needs and the policy of the United States. Prerequisite, History 1-2. Three hours per week. *Three semester hours.*

Courses 13 and 14, given in alternate years, will be offered in 1943-44.

15. GREEK HISTORY. This course deals primarily with the political changes in the various ancient Greek states, especially Athens. Ancient economic and social life will also be studied. Aristotle's *Constitution*

of *Athens* and *Politics* will be used extensively. Prerequisite, History 1-2. Two hours per week. *Two semester hours.*

16. ROMAN HISTORY. This course deals especially with the system of government under the Roman republic, the change from republic to empire in Rome, and the causes of Rome's political decline, together with the economic and social factors involved. Prerequisite, History 1-2. Two hours per week. *Two semester hours.*

Members of the History-Social Science Group majoring in history are required to take eighteen hours of work from the foregoing courses.

### LATIN

PROFESSOR KLINE, ASSOCIATE PROFESSOR BAKER

A, B. VIRGIL. *Æneid*, Books I-VI, Greenough and Kittredge. Emphasis is placed on vocabulary and mythology. Three hours per week. *Six semester hours.*

Course A, B is elective for students who offer three units of Latin for admission. Qualified students offering two units of Latin for admission may be admitted to this course with the consent of the instructor, but must take in addition Latin 1, 2 in order to meet the requirement for graduation in Latin for those not electing mathematics.

1, 2. ~~THE AUGUSTAN AGE. A study of the history, art, and literature of the golden age of Rome.~~ Cicero: *De Senectute*; selections from Livy and Ovid; Horace: *Odes* and *Epodes*. Three hours per week. *Six semester hours.*

Course 1, 2 is elective for students who offer four units of Latin for admission.

3. HORACE. *Satires* and *Epistles* with reading on the history of Latin literature. Three hours per week. *Three semester hours.*

4. ANCIENT LITERARY CRITICISM. Cicero, *De Oratore*; Horace, *Ars Poetica*. Term papers on other Greek and Roman treatises on literature. Three hours per week. *Three semester hours.*

5, 6. LATIN COMEDY; CICERO AND PLINY. (1) Terence: *Phormio* and *Heauton-Timorumenos*. Plautus: *Captivi* or *Trinummus* and *Menaechmi*. Lectures on the ancient theater and kindred topics. (2) Cicero and Pliny the Younger: *Selected Epistles*. This part of the course is designed to train the student in the power of rapid reading, by covering a large amount of Latin of only moderate difficulty. Two hours per week. *Four semester hours.*

Courses 5, 6 alternate with Courses 7, 8. Courses 7, 8 will be given in 1943-44.

7, 8. TACITUS, LUCRETIVS. (1) Tacitus: *Agricola, Germania*, and selections from the *Annals*. A study of the aims and purposes of the works with a survey of Roman history. (2) Lucretius: *De Rerum Natura*. A study of Epicureanism, Lucretius as a philosopher and a poet, his influence on other writers. Two hours per week. *Four semester hours*.

10. TEACHERS' COURSE. A consideration of the aims and purposes of classical studies. Preparatory authors will be discussed and interpreted with special regard to the essential points in teaching. Two hours per week. *Two semester hours*.

Course 10 is elective for students intending to become teachers of Latin. It is given in connection with Courses 6 and 8.

#### MATHEMATICS AND ASTRONOMY

PROFESSOR CLAWSON, PROFESSOR MANNING, ASSISTANT PROFESSOR DENNIS

1, 2. COLLEGE ALGEBRA, TRIGONOMETRY. This course attempts to survey some of the important applications of mathematics in science and business, and to acquaint the student with the aims and methods of the subject. The emphasis is on utility and information rather than on formal statement. The historical development is indicated as far as possible. Three hours per week. *Six semester hours*.

Course 1, 2 is prescribed for all students who have been credited with not more than 3 units of mathematics toward admission, except that students in the Chemistry-Biology Group take Mathematics 3a-4a and students electing Latin are exempt from this requirement.

1a, 2a. COLLEGE ALGEBRA, TRIGONOMETRY. A more advanced course, presupposing the usual high school courses in these subjects. Three hours per week. *Six semester hours*.

Course 1a, 2a is elective for students who have been credited with 3.5 units of mathematics toward admission.

3-4. ELEMENTARY CALCULUS. A first course in infinitesimal calculus, comprising a study of the fundamental methods and applications of differential calculus and an introduction to integral calculus. Three hours per week. *Six semester hours*.

Course 3-4 is prescribed in the Mathematics Group.

3a-4a. ELEMENTARY CALCULUS. In addition to the fundamental methods of the calculus, this course will include portions of algebra and trigonometry necessary for an understanding of the calculus, and applications of differentiation and integration in engineering and the physical sciences. Five hours per week. *Ten semester hours*.



Course 3a-4a is prescribed in the Chemistry-Biology Group. A separate section will be provided for students who have presented two units of algebra and one-half unit of plane trigonometry for entrance.

5. PLANE ANALYTIC GEOMETRY. The use of algebraic methods in the study of plane geometry. Three hours per week. *Three semester hours.*

6. SOLID GEOMETRY. The methods of pure geometry, of analytic geometry, and of descriptive geometry applied to polyhedrons and simple curved surfaces. Prerequisite, Mathematics 5. Three hours per week. *Three semester hours.*

Courses 5 and 6 are prescribed in the Mathematics Group.

7-8. THE CALCULUS. Review of the fundamentals, and a further study of methods of differentiation and integration and applications. Elements of differential equations. Prerequisites, Mathematics 3-4, 5, and 6. Two hours per week. *Four semester hours.*

9-10. PROJECTIVE GEOMETRY. In the first semester, a synthetic study of one-dimensional forms, harmonic forms, pole and polar properties, duality, metric applications. In the second semester, an analytic study of linear transformations, coordinate systems, conics and higher curves. Prerequisite, Course 5, 6. Two hours per week. *Four semester hours.*

Courses 9-10 and 11, 12 are given in alternate years. Course 9-10, will be given in 1943-44.

11. THEORY OF EQUATIONS. A study of the properties of numerical and literal equations in one unknown, determinants, invariants, resultants, discriminants. Prerequisites, Courses 3-4 and 5, 6. Two hours per week. *Two semester hours.*

12. THEORY OF FINITE GROUPS. A study of the general properties of groups, permutation groups, cyclic groups, linear substitutions, ruler and compass constructions, applications. Prerequisites, Courses 3-4 and 5, 6. Two hours per week. *Two semester hours.*

13-14. MATHEMATICS OF FINANCE. The operation of interest in relation to the amortization of debts, the creation of sinking funds, the treatment of depreciation, the valuation of bonds, the accumulation of funds in building and loan associations, and the elements of life insurance. Two hours per week. *Four semester hours.*

15-16. MATHEMATICAL STATISTICS. Gathering the material, displaying it by the different types of graphs, analysis of the material, averaging, dispersion, correlation, probability, interpolation, and finite

differences. Prerequisite Mathematics 1, 2 or its equivalent. Two hours per week. *Four semester hours.*

17a. ASTRONOMY. Facts and theories concerning the appearance, dimensions, constitutions, motions, and interrelations of celestial bodies. Prerequisite, Course 1, 2 or its equivalent and some knowledge of physics. Three hours per week. *Three semester hours.*

18a. NAVIGATION. An introduction to the problems of navigation of ships and airplanes, including navigational astronomy. Prerequisite, as in 17a. Three hours per week. *Three semester hours.*

19-20. PROBLEMS AND REPORTS. One hour a week is devoted to the study of a topic or topics varying from year to year. A weekly problem paper is discussed at a second hour. During the year each student makes a report on an approved topic. Two hours per week. *Four semester hours.*

21-22. PROBLEMS AND REPORTS, SECOND COURSE. Students specializing in mathematics will normally take work of the nature outlined in Course 19-20 for two years, the content being different in successive years. In this case, the second year is called Course 21-22. Description and credits as above.

23-24. TEACHERS' COURSE. The study and teaching of mathematics: a consideration of problems, materials and methods. Two hours per week. *Four semester hours.* Prerequisite, at least eighteen semester hours in Mathematics.

## MUSIC

ASSOCIATE PROFESSOR PHILIP, MISS SPANGLER

### A. THEORY OF MUSIC

1-2. ELEMENTARY HARMONY. A thorough foundation in the melodic, rhythmic, and harmonic elements of music; keys, scales, intervals, cadences, major and minor chords; rhythmic reading and dictation, time durations, and the study of compound and simple measures. Two hours per week. *Four semester hours.*

3-4. ADVANCED HARMONY AND SIMPLE COUNTERPOINT. A detailed study of harmonic resources, from secondary chords to chromatic modulations and higher dissonances; principles of counterpoint, in two and three parts as divulged by study of sixteenth and seventeenth century compositions; four part harmony from melody and figured bass; dictation of four part harmony and works of the Classic School. Two hours per week. *Four semester hours.*

Course 3-4 alternates with Course 5-6. Course 5-6 will be offered in 1943-44.

5-6. COUNTERPOINT AND FORM. Counterpoint based on study of mediaeval modes; fifteenth and sixteenth century styles; tonal counterpoint including two and three-part inventions; harmonic technique in contrapuntal style; dictation in contrapuntal style; survey of form in music; analysis of a comprehensive list of masterpieces. Two hours per week. *Four semester hours.*

7-8. DOUBLE COUNTERPOINT, FUGUE, AND CANON. An advanced course requiring 10-15 hours of preparation per week. Two hours per week. *Four semester hours.*

Course 7-8 alternates with Course 9-10. Course 9-10 will be given in 1943-44.

9-10. COMPOSITION. Practical composing in the smaller and simpler forms of voice, piano, and other instruments. One hour per week. *Two semester hours.*

11-12. ORCHESTRATION. Symphonic scoring through practical study; the study of the instruments of the orchestra and their relationship to the above. One hour per week. *Two semester hours.*

## B. APPRECIATION OF MUSIC

13-14. APPRECIATION OF MUSIC. This course is especially intended for those not studying music from an applied or practical standpoint but for those desiring to enlarge their critical appreciation of music as a detail of their general culture. This course is more directly adapted to the special needs of the general group of college students than Course 15-16. This course has no prerequisite and is open to anyone. Two hours per week. *Four semester hours.*

## C. HISTORY OF MUSIC

15-16. HISTORY OF MUSIC. Introduction on ancient and primitive music; music from the beginning of the Christian era to the present. Two hours per week. *Four semester hours.*

17-18. OPERA AND ORCHESTRAL MUSIC. Review of chief dramatic and musical developments of the masters with detailed study of outstanding compositions. Two hours per week. *Four semester hours.*

Course 17-18 alternates with Course 19. Course 19 will be given in 1943-44.

19. THE MUSIC DRAMAS OF RICHARD WAGNER. An intimate discussion and the detailed analysis of Wagner's works. Two hours per week. *Two semester hours.*



## D. MUSICAL ORGANIZATIONS

21a. BAND. A detailed study of both the "marching band" and the "concert band." Two hours per week. *One semester hour.*

21b. BAND. Second year. Continuation of first-year work, which is a prerequisite. Two hours per week. *One semester hour.*

21c. BAND. Third year. Continuation of second-year work, which is a prerequisite. Two hours per week.

21d. BAND. Fourth year. Continuation of third-year work, which is a prerequisite. Two hours per week.

23a, 24a. SYMPHONY ORCHESTRA. Reading and study of the best literature of the orchestra. Two hours per week. *One semester hour.*

23b, 24b. SYMPHONY ORCHESTRA. Continuation of first-year work, which is a prerequisite. Two hours per week. *One semester hour.*

23c, 24c. SYMPHONY ORCHESTRA. Continuation of second-year work, which is a prerequisite. Two hours per week.

23d, 24d. SYMPHONY ORCHESTRA. Continuation of third-year work, which is a prerequisite. Two hours per week.

27a, 28a. VOCAL ENSEMBLE AND METHODS. A study of the basic principles of ensemble technique, vocal characteristics, and various types of voices. Discussion and study of the musical literature of the different periods. Practical application of principles studied as well as participation with the Ursinus Meistersingers in public concerts. Two hours per week. *One semester hour.*

27b, 28b. VOCAL ENSEMBLE AND METHODS. Continuation of first-year work, which is a prerequisite. Two hours per week. *One semester hour.*

27c, 28c. VOCAL ENSEMBLE AND METHODS. Continuation of second-year work, which is a prerequisite. Two hours per week.

27d, 28d. VOCAL ENSEMBLE AND METHODS. Continuation of third-year work, which is a prerequisite. Two hours per week.

30. CHORAL AND ORCHESTRAL CONDUCTING. Organization, arrangement, and direction of choruses and orchestras. Technique of the baton. Study of tempi; phrasing; dynamics; nuances; color. Practical experience conducting the college choral and orchestral units. Two hours per week. *Two semester hours.*

Not more than twelve semester hours in Music may be counted toward graduation.

## PHILOSOPHY

PROFESSOR TOWER, PROFESSOR BANCROFT, ASSISTANT PROFESSOR MATTERN

*One semester course in Philosophy is required of every student for graduation.*

1. LOGIC. A study of the guiding principles involved in correct thinking; the use of terms; classification; the nature of deductive inference with special reference to fallacious forms of reasoning as they receive expression in daily life; the canons of inductive inference; the basic concepts involved in scientific method. Three hours per week. *Three semester hours.*

2. ETHICS. A study of the principles of moral judgment, with exposition and criticisms of the more important theories concerning the basis of distinction between right and wrong conduct; the various problems of theoretical and practical ethics. Papers by students. Three hours per week. *Three semester hours.*

Course 2 is given in both the first and second semesters.

3. PHILOSOPHY IN AMERICA. A study of currents of philosophic thought which have proved influential in America. The European background. The colonial period in America. Eighteenth-century materialism and idealism. Influence of the Scottish School. Two hours per week. *Two semester hours.*

4. PHILOSOPHY IN AMERICA. Later schools of thought. Evolutionism in America. New England transcendentalism. The St. Louis School and the founding of a journal of philosophy. Later nineteenth-century idealism. "The new ethical philosophy." "The American Philosophy, Pragmatism." Twentieth-century realisms and idealisms. Two hours per week. *Two semester hours.*

Courses 3 and 4 alternate with Course 9-10. Course 9-10 will be given in 1943-44.

5. INTRODUCTION TO PHILOSOPHY. A preliminary course designed to give the student orientation with reference to the field and problems of philosophy. Three hours per week. *Three semester hours.*

6. MODERN PHILOSOPHICAL PROBLEMS. This course is continuous with Course 5, but is a more intensive study of certain problems outlined in the latter course and in Philosophy 4. It is designed to afford further orientation for a still more detailed and critical treatment of selected topics considered in Philosophy 9-10. Prerequisite, at least a one-semester course in philosophy. Three hours per week. *Three semester hours.*

7. HISTORY OF ANCIENT AND MEDIAEVAL PHILOSOPHY. This course and the following are designed to assist the student in his interpretation of modern thought-currents by giving him some acquaintance with the productions of the great constructive minds of the past. Three hours per week. *Three semester hours.*

8. HISTORY OF MODERN PHILOSOPHY. Descartes; Spinoza; Leibniz; the English empiricists; Kant and post-Kantian Idealism; recent philosophical tendencies. Three hours per week. *Three semester hours.*

9-10. PHILOSOPHICAL SEMINAR. Recent and contemporary philosophical constructions and their critics. Idealism, pragmatism, neo-realism. Selected portions of the works of Bradley, Royce, James, Schiller, Bosanquet, and the realists will be read. Prerequisite, at least nine semester hours in philosophy. Two hours per week. *Four semester hours.*

NOTE: Courses in philosophy are open to third-year and fourth-year students.

## PHYSICS

ASSOCIATE PROFESSOR HEILEMANN

A-B. INTRODUCTION TO SCIENCE. See BIOLOGY, Course A-B, page 26.

1a-2a. OUR PHYSICAL HERITAGE. Designed expressly for students who are not concentrating in science and mathematics, this course presents physics as a significant part of our cultural heritage. The subject is developed around force and energy, two concepts which underlie and unite many fields of science. The relation of physics to other domains of knowledge and the possibilities and limitations of physical science are examined.

No previous work in science is assumed, except Course A-B.

Two hours of lecture and three hours of laboratory per week. *Six semester hours.*

1-2. GENERAL PHYSICS. Elementary mechanics, heat, sound, light, electricity, and magnetism. Physics is presented not only as a science having practical application to everyday life, but as an example in itself of general scientific method. No previous courses in physics or mathematics are required, but reasonable facility with pre-college mathematics is essential. Although not a requirement, Mathematics 3-4 is strongly urged, to be pursued concurrently if not already completed.

Three hours of lecture and three hours of laboratory per week. *Eight semester hours.*



NOTE: Admission to advanced courses depends upon the quality of work done in one or the other of the elementary courses, (1a-2a or 1-2).

Usually no more than one of Courses 3 to 6 inclusive will be given during any one semester. Students intending to elect any of the advanced courses are asked to confer with the instructor during the year prior to that in which the course is to be taken, in order that a satisfactory schedule may be arranged.

3. OPTICS. Image formation; systems of lenses and mirrors; dispersion; spectra; interference and diffraction; polarization; origin of radiation; effects of radiation; applications. Three hours of lecture and three hours of laboratory per week. *Four semester hours.*

4. SOUND. The nature of sound; the physical basis of music, speech, and hearing; acoustics of buildings; methods of sound transmission and reproduction, and study of distortion; diffraction and interference; applications. Three hours of lecture and three hours of laboratory per week. *Four semester hours.*

5. ELECTRICITY AND MAGNETISM. Gauss's Theorem; potential; capacity; electric and magnetic circuits; Kirchoff's Laws; inductance; alternating currents; elements of electronics; the electromagnetic field. If desired, this course may be extended to include more material on high frequency circuits and radio communication. Prerequisite, Mathematics 3-4. Three hours lecture and three hours of laboratory per week. *Four semester hours.*

6. MECHANICS, WITH AN INTRODUCTION TO MATHEMATICAL PHYSICS. Fundamentals of theoretical mechanics; vector calculus; generalized coordinates; Lagrange's equations; Hamilton's Principle; potential fields; the wave equation; statistical mechanics; brief discussion of further mathematical methods. The laboratory work is chiefly concerned with the precise measurement of mechanical quantities. Prerequisite, Mathematics 3-4. *Four semester hours.*

7-8. CHEMICAL PHYSICS. A course in elementary thermodynamics, kinetic theory, atomic and molecular theory. Emphasis is placed on those phases of physics which are especially pertinent to an understanding of chemistry and related fields, such as biochemistry, biophysics, and physiology. Prerequisite, Mathematics 3-4. Three lectures per week. *Six semester hours.*

7a-8a. LABORATORY IN CHEMICAL PHYSICS. Laboratory work (optional) for Course 7-8. Three hours per week. *Two semester hours.*

9-10. SPECIAL TOPICS. Readings and laboratory work with conferences. The student, having chosen some field in which he is interested, is expected to become familiar with the special instruments and methods of measurement used in that field. Only students capable of independent work may elect this course. Prerequisites, Mathematics 3-4 and two years of college physics. Credit according to work done.

### POLITICAL SCIENCE

ASSISTANT PROFESSOR MILLER, MR. PANCOAST

1-2. AMERICAN GOVERNMENT. A structural approach to the government of the United States, with equal stress on the functions and machinery of government. A thorough analysis is made of the integration and cooperation of federal, state, and local governments in the performance of essential services. This is an extensive basic course, intended both for those whose major interest is in other fields and as a foundation for those who expect to specialize in political science. A prerequisite for all the more advanced courses in political science. Three hours per week. *Six semester hours.*

3. MUNICIPAL GOVERNMENT AND ADMINISTRATION. The daily work of the city; home rule, commission, and city manager systems; municipal budgets; public utilities; city planning, public safety, and public health; power and position of the city in our political system; present tendencies in municipal government. Three hours per week. *Three semester hours.*

4. POLITICAL PARTIES. Both structural description and functional analysis of American political parties. The organization, work, leaders, and place of political parties in our Democracy are considered at length. Due consideration is given to the role of pressure groups, sectionalism, economic and social cleavages, and other underlying factors. Three hours per week. *Three semester hours.*

5-6. COMPARATIVE GOVERNMENT. A detailed comparison of the cabinet and presidential systems, as exemplified by England and the United States; the study then extended to other representative governments of Europe, including France, Germany, Italy, Switzerland, and Russia. Three hours per week. *Six semester hours.*

7. MODERN POLITICAL THEORIES. Significant political ideas, forces, and concepts from the middle of the Nineteenth Century to the present. Consideration is given to the nature and ends of the state as postulated by Constitutional Democracy, Socialism, and Fascism. The functions

and problems of representative government in an industrial democracy are discussed at length. Three hours per week. *Three semester hours.*

8. CONSTITUTIONAL LAW. An analysis of the American constitutional system through the study of the fundamental principles of American Constitutional Law. Historical backgrounds and principles formulated by the United States Supreme Court receive equal emphasis. In addition to a textbook, extensive use is made of case studies. Three hours per week. *Three semester hours.*

10. PUBLIC ADMINISTRATION. A survey of the field of public administration, emphasizing administrative organization, fiscal management, and personnel management. The administrative process is considered as a unit encompassing federal, state, and local administration. Three hours per week. *Three semester hours.*

11-12; 13-14. SEMINAR IN POLITICAL SCIENCE. Various subjects in the field of political science—such as public opinion and propaganda, business and administration, political parties, public administration—are studied from year to year, with textbook as basis of discussion. This is supplemented by carefully prepared papers on the several topics under consideration. Two hours per week. *Four semester hours.*

Open only to third-year and fourth-year students.

Members of the History-Social Science Group majoring in political science must take from the foregoing courses an amount of work aggregating at least eighteen semester hours.

21. METHODS OF TEACHING THE SOCIAL STUDIES. The Pennsylvania course of study in history and social science for junior and senior high schools, interpreted in the light of modern ideals and practices. Three hours per week. *Three semester hours.*

This course corresponds to the one now being given in state teacher colleges and university schools of education, and is required by this Department of all who are qualifying to teach social studies in the Pennsylvania secondary schools.

## PSYCHOLOGY

PROFESSOR TOWER, PROFESSOR TYSON, PROFESSOR SHEEDER

1. ELEMENTARY PSYCHOLOGY. An introductory study of mental life and accompanying types of human behavior. Three hours per week. *Three semester hours.*



2. ELEMENTARY PSYCHOLOGY. A course similar in content to Course 1, given in order to make the study available in both semesters. Three hours per week. *Three semester hours.*

Course 1 or 2 must be taken in the second year by all students preparing to become teachers.

4. SOCIAL PSYCHOLOGY. A study of group action and of the group influences by which the individual is surrounded; tradition, custom, public opinion, and other psychological and social forces which affect individual judgment and action. Three hours per week. *Three semester hours.*

5. EDUCATIONAL PSYCHOLOGY. See EDUCATION, Course 3.

6. PSYCHOLOGY OF RELIGION. The psychological processes of the religious life are analyzed and described. Worship, prayer, faith, and other religious phenomena are considered. Third and fourth years. Three hours per week. *Three semester hours.* See RELIGION, Course 9.

#### PUBLIC SPEAKING

PROFESSOR CARTER

3. ELEMENTARY PUBLIC SPEAKING. Psychology of speech: emotion, attention, persuasion. Mechanics of speech: gesture, voice culture, expression. Recitations based on textbook; composition and delivery of short original speeches. Three hours per week. *Three semester hours.*

4. ADVANCED PUBLIC SPEAKING. Problems of the speaker, divisions of a speech, types of speeches, style of the spoken word. Recitations based on textbook; composition and delivery of various types of speeches. Three hours per week. *Three semester hours.*

Courses 3 and 4 are elective for second-year and third-year students in all groups.

5-6. DRAMA. The technique of play-writing and play-production. Two hours per week. *Four semester hours.*

#### RELIGION

PROFESSOR SHEEDER, MRS. SHEEDER

1. RELIGIONS OF MANKIND. A survey of the historic religions to discover characteristics and effects upon the civilizations of the world. The religion of the Hebrews is treated at length as a background for the study of Christianity. First and second years. Three hours per week. *Three semester hours.*

2. INTRODUCTION TO BIBLICAL LITERATURE. An appreciative and historical study of the literature of the Bible, with a view to discovering its origin, nature, and significance in the life of today. First and second years. Three hours per week. *Three semester hours.*

5. LIFE AND TEACHINGS OF JESUS. A comparative and interpretative study of the New Testament sources. A consideration of the way in which Jesus met life situations and the application of His method to modern life. Second and third years. Three hours per week. *Three semester hours.*

6. GROWTH OF CHRISTIANITY. A survey of the development of the Christian Church from the apostolic period to modern times, with a view to understanding the nature and extent of its contributions to society. Second and third years. Three hours per week. *Three semester hours.*

Courses 5, 6 and 9, 10 are given in alternate years. Courses 9, 10 will be given in 1943-44.

9. PSYCHOLOGY OF RELIGION. The psychological processes of the religious life are analyzed and described. Worship, prayer, faith, and other religious phenomena are considered. Third and fourth years. Three hours per week. *Three semester hours.* See PSYCHOLOGY, Course 6.

10. PHILOSOPHY OF RELIGION. A study of the nature and validity of religious beliefs, with particular reference to ideas of God, immortality, prayer, and the problem of evil. Third and fourth years. Three hours per week. *Three semester hours.*

11. FINE ARTS IN RELIGION. A study of the beginnings of art forms and their relation to early religious belief and practice; the significance of the arts in the development of the Christian church; the use of the fine arts in worship. Three hours per week. *Three semester hours.*

12. PRINCIPLES OF RELIGIOUS EDUCATION. A consideration of the theories underlying religious education, together with a study of aims and techniques. The organization and administration of the Sunday school, vacation church school, and week-day school of religion will be considered. Three hours per week. *Three semester hours.*

## SOCIOLOGY

ASSISTANT PROFESSOR MILLER

1, 2. INTRODUCTION TO SOCIOLOGY. A fundamental course covering the fields of social organization and social control. The course aims at presenting a basis for a scientific understanding of society, and for

further study in the field of sociology or of social work. Open only to third-year and fourth-year students. Three hours per week. *Six semester hours.*

## SPANISH

ASSISTANT PROFESSOR WILCOX

In arranging his curriculum, every regular student must provide for meeting the following requirement: (a) six semester hours of the modern language offered for admission, provided the student passes a satisfactory achievement test at matriculation; or (b) twelve semester hours of the modern language offered for admission, if the student has not passed a satisfactory achievement test at matriculation; or (c) twelve semester hours of a modern language begun in college.

1-2. BEGINNING SPANISH. (For those who begin Spanish in college, for those who have had one year of Spanish in high school, and for those who have had two years of Spanish in high school but who in the Freshmen achievement tests show an insufficient knowledge of Spanish.) Three hours per week. *Six semester hours.*

3-4. INTERMEDIATE SPANISH. Review of Spanish grammar and syntax, with more advanced treatment of pronunciation. Special attention to verbs and modern idioms. Conversation in second semester. Original compositions in Spanish. Uniform note books. One hour per week of reading and translation of selected, graded texts. Class discussions in Spanish. Prerequisites, Course 1-2, or equivalent. Three hours per week. *Six semester hours.*

5. ADVANCED GRAMMAR AND COMPOSITION. Advanced treatment of Spanish grammar and syntax. Drill on modern idiomatic conversational forms. Original Spanish compositions. Prerequisite, Spanish 3-4, or equivalent. Two hours per week. *Two semester hours.*

6. COMMERCIAL SPANISH. Study of business vocabulary, forms, and letters. Original commercial letters. Prerequisite, Spanish 3-4, or equivalent. Two hours per week. *Two semester hours.*

7-8. SPANISH LITERATURE. Readings and translations of masterpieces of prose, poetry, and drama of the Siglo de Oro during first semester. Readings and translations of contemporary masterpieces during second semester. Class discussions in Spanish. Compositions and reports in Spanish. Outside readings. Lectures in Spanish on Spanish literary movements and their cultural background. Prerequisite, Spanish 3-4, or equivalent. Two hours per week. *Four semester hours.*

Courses 5 and 6 alternate with Course 7-8. Course 7-8 will be given in 1943-44.



## THE GROUPS

The group system is employed in the organization and administration of instruction. By this system, the courses of instruction are offered in carefully arranged groups, each comprising (1) dominant subject which adapt the group to the intellectual tastes and the future purposes of the student, (2) other prescribed subjects essential to a liberal education and required of all students, and (3) elective subjects from which may be selected studies meeting the particular objectives of each individual. A student, at matriculation, chooses the group of studies he desires to pursue, and with the advice and consent of his adviser, selects his studies for the year and reports the same to the Dean on a blank provided for the purpose. By virtue of this act he becomes a member of the group of his choice and as such is officially recognized thereafter in all acts and processes of administration in the College. A student who is uncertain on entering college as to his life purposes and, therefore, undecided as to the group of studies he should pursue, may make a temporary choice and change to any group he may prefer at the end of the first year.

### CHOICE OF STUDIES

In registering, the student must present his complete list of studies, both prescribed and elective, *for the whole year*.

Courses to satisfy conditions take precedence of regular courses. It is strongly advised that conditions be made up in summer so as not to interfere with the proper arrangement of one's curriculum.

In selecting studies for the year, the student will follow the synopsis of his group as presented, although with the approval of his adviser and of the Dean, he may substitute other studies for the elective courses listed, or at the beginning of a year may change from one group to another.

When a student changes to another group, he will receive credit toward graduation only for such of the prescribed courses as he may have completed as are included in the group to which he has received permission to change.

## THE COMPREHENSIVE EXAMINATION

The several courses constituting a group major are presented as a single unified project. The student is led to pursue each course with regard to the courses that follow, to study with a view to mastery and permanence, building up from semester to semester an ever-increasing, coherent body of knowledge. As an aid the student is given a syllabus presenting in logical order the subjects embodied in his major field of study. Included in the syllabus are lists of required readings and suggestions for study. The use of the syllabus is supplemented by conferences with the professor under whom the subject is being pursued. The student's work throughout is carried forward under the supervision of the group adviser.

As a test and measure of success attained, a comprehensive examination covering the student's entire major field of study is given each candidate for graduation toward the end of the senior year. The examination consists of several parts given separately on different days. Wherever feasible, it is set by at least two persons and is graded independently by at least two persons. Outside examiners may be employed to set and grade all or part of the examination at the option of the group. A minimum grade of C is necessary to pass the examination. In determining the student's final standing in his class, the grade made in the comprehensive examination is given a weight of three-tenths, and the grades made in the semester examinations through the four years are given a weight of seven-tenths. A candidate who fails may take any succeeding, regularly offered comprehensive examination in his major field. Passing of the examination is a requirement for graduation.

The Comprehensive Examination is designed to test the accomplishment of the following ends: (1) the attainment of a certain standard of knowledge in the student's major field of study, (2) the integration of the student's work in his major field and in allied subjects, (3) the conservation of his knowl-

edge through sustained interest from course to course and from year to year, (4) the student's assumption of responsibility for four years of planned effort toward a definite goal.

Comprehensive examinations will be discontinued during the present emergency.

#### REQUIREMENTS FOR GRADUATION

For the degree of Bachelor of Arts or Bachelor of Science, a student must complete *one hundred and twenty-four semester hours* of work. A student may not take in any one semester less than twelve semester hours of work. The normal maximum for one semester is sixteen semester hours. Two semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding semester is eighty or higher. Three semester hours above the normal maximum and, in exceptional cases, four semester hours above the maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding semester is eighty-five or higher. A charge of \$10 is made for each semester hour above sixteen.

In arranging his curriculum, every regular student must provide for meeting the following requirement: (a) six semester hours of the modern language offered for admission, provided the student passes a satisfactory achievement test at matriculation; or (b) twelve semester hours of the modern language offered for admission, if the student has not passed a satisfactory achievement test at matriculation; or (c) twelve semester hours of a modern language begun in college.

2. Six semester hours of English composition and literature (Course 1-2).

3. Six semester hours of history (Course 1-2).

4. Three semester hours of psychology (Psychology 1 or 2).

5. Three semester hours of philosophy.



6. Six semester hours of science with laboratory work.
7. Satisfactory completion of Course 101-2 in Physical Education by the end of the Second Year (not required of students in the Physical Education Group).

Of the groups outlined in the following pages, the History-Social Science, the English, the Modern Languages, and the Business Administration Groups lead to the degree of *Bachelor of Arts*. The Mathematics, the Chemistry-Biology, and the Health and Physical Education Groups lead to the degree of *Bachelor of Science*.

In the following pages the prescribed courses in each Group are printed in small capitals. Each course is numbered and is described in pages 26 to 62. A course with an odd number is given the first semester; a course with an even number is given the second semester. Numbers in parentheses indicate semester hours.

The student, after scheduling the prescribed courses for the year, may, with the advice and permission of his Group adviser, add elective courses for which he has proper preparation. The normal maximum for a semester is sixteen semester hours. (See page 65.)

## THE MATHEMATICS GROUP

*First Year*

MATHEMATICS 3, 4	(6)
MATHEMATICS 1a, 2a	(6)
ENGLISH COMP. 1-2	(6)
MODERN LANGUAGE	(6)
HISTORY 1-2	(6)
PHYSICAL ED. 101-2	
Biology (2)	(3)
Economics 1, 2	(4)
Foreign Language	(6)
Music 1-2; 13-14	(6)
Religion 1; 2	(3)

*Second Year*

MATHEMATICS 5, 6	(6)
PHYSICS 1-2	(8)
Biology 3-4	(6)
Chemistry 1-2	(6)
Education 1; 2	(3)
English Comp. 3-4	(6)
English Lit. 3-4; 9, 10; 17, 18	(4)
French 5-6, 7-8	(4)
German 3, 4; 5, 6	(6)
Physical Ed. 101-2	
Political Science 1-2	(6)
Psychology 1 or 2	(3)
Religion 1; 2	(3)
Spanish 3-4	(6)

*Third Year*

MATHEMATICS 7-8 or 9-10	(4)
MATHEMATICS 19, 20	(4)
PSYCHOLOGY 1 or 2	(3)
Biology 3-4	(6)
Biology 11-12	(4)
Chemistry 3-4	(6)
Economics 3-4	(6)
Education 3; 4	(3)
English Comp. (any course)	
English Lit. (any course)	
French 5-6; 7-8; 9-10; 11-12	(4)
German 7, 8; 9, 10	(4)
German 11-12; 13-14	(4)
History 3, 4; 11, 12; 5-6	(6)
History 7-8; 9, 10	(6)
Mathematics 13-14	(4)
Mathematics 15, 16	(4)
Mathematics 23-24	(4)
Music 13-14; 5-6	(4)
Physics 3; 4; 5; 6	(4)
Political Science 3, 4; 5-6; 7-8	(6)
Public Speaking 3, 4	(6)
Religion 5; 6; 9; 10	(3)
Sociology 1, 2	(6)
Spanish 5, 6; 7-8	(4)

*Fourth Year*

MATHEMATICS	(4)
MATHEMATICS	(4)
PHILOSOPHY (any course)	(3)
Biology 11-2	(4)
Education 5; 6; 7; 10	(3)
English Comp. (any course)	
English Lit. (any course)	
French 5-6; 7-8; 9-10; 11-12	(4)
German 7, 8; 9, 10	(4)
German 11-12; 13-14	(4)
History 3, 4; 11, 12; 5-6	(6)
History 7-8; 9, 10	(6)
Mathematics 13-14	(4)
Mathematics 15-16	(4)
Mathematics 23-24	(4)
Music 13-14; 5-6	(4)
Philosophy 1; 2; 5; 6	(3)
Philosophy 3; 4	(2)
Philosophy 7; 8	(3)
Philosophy 9-10	(4)
Physics 7-8	(6)
Political Science 5-6, 7-8	(6)
Public Speaking 3, 4	(6)
Religion 5, 6; 9, 10	(6)
Sociology 1, 2	(6)
Spanish 5, 6; 7-8	(4)

## THE CHEMISTRY-BIOLOGY GROUP

*First Year*

BIOLOGY 3-4 <i>or</i>	(6)
CHEMISTRY 1-2 and 14	(8)
ENGLISH COMP. 1-2	(6)
MODERN LANGUAGE	(6)
MATHEMATICS 3a, 4a	(10)
PHYSICAL ED. 101-2	
Biology 2	(3)
Economics 1, 2	(4)
Foreign Language	(6)
History 1-2	(6)
Music 1-2; 13-14	(4)
Religion 1; 2	(3)

*Second Year*

CHEMISTRY 1-2 and 14 <i>or</i>	(8)
BIOLOGY 3-4	(6)
HISTORY 1-2	(6)
PHYSICS 1-2	(8)
Chemistry 3-4	(6)
Education 1; 2	(3)
English Comp. 3-4	(6)
English Lit. 3-4; 9, 10; 17, 18	(4)
French 5-6; 7-8	(4)
German 3, 4; 5, 6	(6)
Music 1-2; 13-14	(4)
Political Science 1-2	(6)
Psychology 1 <i>or</i> 2	(3)
Religion 1; 2	(3)
Spanish 3-4	(6)

*Third Year*

BIOLOGY 7-8 <i>or</i>	
CHEMISTRY 3-4 <i>or</i> 5-6	(6)
PSYCHOLOGY 1 <i>or</i> 2	(3)
Biology 6	(3)
Biology 11-12	(4)
Chemistry 9-10	(8)
Economics 3-4	(6)
Education 3; 4; 12	(3)
English Comp. (any course)	
English Lit. (any course)	
French 5-6; 7-8; 9-10; 11-12	(4)
German	
7, 8; 9, 10; 11, 12; 13-14	(4)
History	
3, 4; 5-6; 11, 12; 7-8; 9, 10	(6)
Music 13-14	(4)
Philosophy (any course)	(3)
Physics 3; 4; 5; 6	(4)
Political Science 3, 4; 5-6	(6)
Public Speaking 3, 4	(6)
Religion 5; 6; 9; 10	(3)
Sociology 1, 2	(6)
Spanish 5, 6; 7-8	(4)

*Fourth Year*

CHEMISTRY 7-8 <i>or</i>	
BIOLOGY 7-8	(8)
PHILOSOPHY (any course)	(3)
Biology 6	(3)
Biology 11-12	(4)
Biology 15-16	(8)
Chemistry 9-10	(8)
Education 5; 6; 7; 12	(3)
English Comp. (any course)	
English Lit. (any course)	
French 5-6; 7-8	(4)
German	
7, 8; 9, 10; 11, 12; 13-14	(4)
History	
3, 4; 5-6; 11, 12; 7-8; 9, 10	(6)
Philosophy 1; 2; 5; 6	(3)
Philosophy 3; 4	(2)
Philosophy 7; 8	(3)
Philosophy 9-10	(4)
Physics 5; 6	(4)
Physics 7-8	(6)
Political Science 5-6; 7-8	(6)
Religion 5; 6; 9; 10	(3)
Sociology 1, 2	(6)

\*A student can satisfy the requirements in Science by completing at least 22 semester hours of Physics, provided that he complete also Chemistry 1-2 and 14 the First Year; Chemistry 3-4 or 5-6 or 7-8 the Second Year; and Biology 3-4 the Third Year.



# Groups of Courses

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## THE HISTORY-SOCIAL SCIENCE GROUP

<i>First Year</i>		<i>Second Year</i>	
HISTORY 1-2	(6)	POLITICAL SCIENCE 1-2	(6)
ENGLISH COMP. 1-2	(6)	ECONOMICS 3-4 <i>or</i>	
MODERN LANGUAGE	(6)	HISTORY 5-6, 3-4, <i>or</i> 7-8	(6)
LATIN A, B; 1, 2 <i>or</i>			
MATHEMATICS 1-2*	(6)	Biology 3-4	(6)
PHYSICAL ED. 101-2		Biology 6	(3)
		Chemistry 1-2	(6)
Biology 2	(3)	Education 1; 2	(3)
Economics 1, 2	(4)	English Comp. 3-4	(6)
Foreign Language	(6)	English Lit. 3-4; 9, 10; 17, 18	(4)
Mathematics 3, 4	(6)	Foreign Language	(6)
Music 1, 2	(4)	History 13, 14, 15, 16	(2)
Religion 1; 2	(3)	Physics 1a-2a	(6)
		Psychology 1 <i>or</i> 2	(3)
		Religion 1; 2	(3)
<i>Third Year</i>		<i>Fourth Year</i>	
HISTORY 9-10 <i>or</i>		HISTORY 11, 12 <i>or</i>	
POLITICAL SCIENCE 3-4; 5-6	(6)	POLITICAL SCIENCE 5-6; 7-8	(6)
ECONOMICS 3-4	(6)	PHILOSOPHY (any course)	(3)
PSYCHOLOGY 1 <i>or</i> 2	(3)		
		Biology 6	(3)
Biology 11-12	(4)	Biology 11-12	(4)
Economics 5; 19, 20; 7; 8	(3)	Economics 19, 20; 7, 8; 13, 14	(6)
Economics 13, 14	(6)	Education 5; 6	(3)
Education 3, 4	(3)	English Comp. (any course)	
English Comp. (any course)		English Lit. (any course)	
English Lit. (any course)		History (any course)	
French 5, 6; 7-8; 11-12	(4)	Mathematics 15-16; 13-14	(4)
German		Philosophy 1; 2; 5; 6	(3)
7, 8; 9-10; 11, 12; 13-14	(4)	Philosophy 3; 4	(2)
History (any course)		Philosophy 7; 8	(3)
Mathematics 13-14; 15-16	(4)	Philosophy 9-10	(4)
Music 13-14; 5-6	(4)	Political Science 9-10	(6)
Philosophy (any course)	(3)	Political Science 11-12; 21-22	(4)
Political Science 9-10	(6)	Public Speaking 3, 4	(6)
Public Speaking 3-4	(6)	Religion 5; 6; 9; 10	(3)
Religion 5; 6; 9; 10	(3)	Sociology 1, 2	(6)
Sociology 1, 2	(6)		
Spanish 5, 6; 7-8	(4)		

\*Prescribed for students credited with not more than 3 units of mathematics toward admission except those electing Latin.

## THE ENGLISH GROUP

<i>First Year</i>		<i>Second Year</i>	
ENGLISH COMP. 1-2	(6)	ENGLISH LIT. 3-4	(4)
MODERN LANGUAGE	(6)	ENGLISH LIT. 11-12	(4)
LATIN A, B; 1, 2 <i>or</i>			
MATHEMATICS 1, 2*	(6)	Biology 3-4	(6)
HISTORY 1-2	(6)	Biology 6	(3)
PHYSICAL ED. 101-2		Chemistry 1-2	(6)
		Education 1; 2	(3)
Biology 2	(3)	English Comp. 3-4	(6)
Economics 1, 2	(4)	English Lit. 9, 10; 17, 18	(4)
Foreign Language	(6)	French 3-4	(6)
Mathematics 3, 4	(6)	German 5, 6	(6)
Music 1-2; 13-14	(4)	Political Science 1-2	(6)
Religion 1; 2	(3)	Physics 1a-2a	(6)
		Psychology 1 <i>or</i> 2	(3)
		Religion 1; 2	(3)
		Spanish 3-4	(6)
<i>Third Year</i>		<i>Fourth Year</i>	
ENGLISH LIT. 5, 6	(4)	ENGLISH LIT. 5, 6	(4)
ENGLISH LIT. 19-20	(4)	ENGLISH LIT. 19-20	(4)
PSYCHOLOGY 1 <i>or</i> 2	(3)	PHILOSOPHY (any course)	(3)
Biology 3-4	(6)	Biology 11-12	(4)
Biology 11-12	(4)	Education 5; 6	(3)
Chemistry 1-2	(6)	Education 7; 10	(3)
Education 3; 4	(3)	English Comp. (any course)	
Economics 3-4	(6)	English Lit. (any course)	
English Comp. (any course)		French 9-10; 11-12	(4)
English Lit. (any course)		German 7, 8; 9-10	(4)
French 5-6; 7-8; 9-10; 11-12	(4)	History (any course)	
German 7, 8; 9-10	(4)	Mathematics 13-14	(4)
History (any course)		Philosophy 1; 2; 5; 6	(3)
Philosophy (any course)	(3)	Philosophy 3; 4	(2)
Physics 1a-2a	(6)	Philosophy 7; 8	(3)
Political Science 3, 4; 5-6	(6)	Philosophy 9-10	(4)
Political Science 9-10	(6)	Political Science 5-6; 7-8	(6)
Public Speaking 3, 4	(6)	Religion 5; 6; 9; 10	(3)
Religion 5; 6; 9; 10	(3)	Sociology 1, 2	(6)
Sociology 1, 2	(6)		
Spanish 5, 6; 7-8	(4)		

\*Prescribed for students credited with not more than 3 units of mathematics toward admission except those electing Latin.

# Groups of Courses

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## THE MODERN LANGUAGES GROUP

### First Year

FRENCH 1-2 or 3-4 or	
GERMAN 1-2 or 5, 6 or	
SPANISH 1-2 or 3-4	(6)
ENGLISH COMP. 1-2	(6)
LATIN A, B; 1, 2 or	
MATHEMATICS 1, 2*	(6)
PHYSICAL ED. 101-2	

Biology 2	(3)
Economics 1, 2	(4)
Foreign Language	(6)
History 1-2	(6)
Mathematics 5, 6	(6)
Music 1-2; 13-14	(4)
Religion 1; 2	(3)

### Second Year

FRENCH 3-4 or	(6)
FRENCH 5-6 or 7-8	(4)
GERMAN 5, 6 or	(6)
SPANISH 3-4	(6)
HISTORY 1-2	(6)

Biology 3-4	(6)
Biology 6	(3)
Chemistry 1-2	(6)
Education 1; 2	(3)
English Comp. 3-4	(6)
English Lit. 3-4; 9, 10; 17, 18	(4)
Physics 1a-2a	(6)
Political Science 1-2	(6)
Psychology 1 or 2	(3)
Religion 1; 2	(3)

### Third Year

GERMAN 7, 8 or 9-10	
FRENCH 5-6 or 7-8 or	
9-10 or 11-12 or	(4)
SPANISH 5, 6 or 7-8	(4)
PSYCHOLOGY 1 or 2	(3)

Economics 3-4	(6)
Education 3; 4	(3)
English Comp. (any course)	
English Lit. (any course)	
German 11-12; 13-14	(4)
History (any course)	
Music 5-6; 13-14	(4)
Music 9-10	(4)
Political Science 3,4; 5-6	(6)
Philosophy (any course)	(3)
Public Speaking 3, 4	(6)
Religion 5; 6; 9; 10	(3)
Sociology 1, 2	(6)

### Fourth Year

FRENCH 13-14	(4)
PHILOSOPHY (any course)	(3)

Education 5; 6; 7; 10	(3)
English Comp. (any course)	
English Lit. (any course)	
French 13-14	(4)
French 21	(3)
French 22	(3)
German 11-12; 13-14	(4)
German 21	(3)
History (any course)	
Philosophy 1; 2; 5; 6	(3)
Philosophy 3; 4	(2)
Philosophy 7; 8	(3)
Philosophy 9-10	(4)
Political Science 5-6; 7-8	(6)
Religion 5; 6; 9; 10	(3)
Sociology 1, 2	(6)

\*Prescribed for students credited with not more than 3 units of mathematics toward admission except those electing Latin.



## THE BUSINESS ADMINISTRATION GROUP

<i>First Year</i>		<i>Second Year</i>	
ENGLISH COMP. 1-2	(6)	ECONOMICS 3-4	(6)
MODERN LANGUAGE	(6)	HISTORY 1-2	(6)
LATIN A, B; 1, 2 <i>or</i>		POLITICAL SCIENCE 1-2	(6)
MATHEMATICS 1, 2*	(6)		
PHYSICAL ED. 101-2		French 3-4 <i>or</i>	
		German 5, 6 <i>or</i>	
Economics 1, 2	(4)	Spanish 3-4	(6)
Biology 2	(3)	Biology 3-4	(6)
Foreign Language	(6)	Biology 6	(2)
History 1-2	(6)	Chemistry 1-2	(6)
Mathematics 3, 4	(6)	Economics 11-12	(6)
Music 1-2; 13-14	(4)	Education 1; 2	(3)
Religion 1; 2	(3)	English Comp. 3-4	(6)
		English Lit. 3-4; 9, 10; 17, 18	(4)
		Mathematics, 3, 4	(6)
		Physics 1a-2a	(6)
		Psychology 1 <i>or</i> 2	(3)
		Religion 1; 2	(3)
<i>Third Year</i>		<i>Fourth Year</i>	
ECONOMICS 7, 8	(6)	ECONOMICS 13, 14	(6)
ECONOMICS 11-12	(6)	ECONOMICS 19	(3)
POLITICAL SCIENCE 3-4 <i>or</i> 5-6	(6)	PHILOSOPHY (any course)	(3)
PSYCHOLOGY 1 <i>or</i> 2	(3)		
		ECONOMICS 19	(3)
Economics 19, 20	(3)	Economics 17-18	(6)
Economics 13, 14	(6)	Education 5; 6	(3)
Economics 19, 20	(3)	Education 7; 10	(3)
Education 3; 4	(3)	English Comp. (any course)	
English Comp. (any course)	(6)	English Lit. (any course)	
English Lit. (any course)		History (any course)	
History (any course)		Mathematics 13-14; 15-16	(4)
Mathematics 13-14	(4)	Philosophy 1; 2; 3; 4	(3)
Mathematics 15-16	(4)	Philosophy 3; 4	(2)
Music 5-6; 13-14	(4)	Philosophy 7; 8	(3)
Philosophy (any course)	(3)	Philosophy 9-10	(4)
Political Science 7-8	(6)	Political Science 5-6; 7-8; 9-10	(6)
Public Speaking 3, 4	(6)	Public Speaking 3, 4	(6)
Religion 5; 6; 9; 10	(3)	Religion 5; 6; 9; 10	(3)
Sociology 1, 2	(6)	Sociology 1, 2	
Spanish 5, 6; 7-8	(4)		

\*Prescribed for students credited with not more than 3 units of mathematics toward admission except those electing Latin.

Instruction in typing and shorthand is available. No academic credit is given for this work.

## THE HEALTH AND PHYSICAL EDUCATION GROUP

*First Year*

BIOLOGY 2	(3)
BIOLOGY 3	(3)
ENGLISH COMP. 1-2	(6)
MODERN LANGUAGE	(6)
MATHEMATICS 1-2*	(6)
PHYSICAL ED. 1	(2)
PHYSICAL ED. 2	(2)
PHYSICAL ED. 201-2	(4)
Elective	(7)

*Second Year*

CHEMISTRY 1-2	(6)
EDUCATION 1, 2	(6)
HISTORY 1-2	(6)
PHYSICAL ED. 3	(2)
PHYSICAL ED. 14	(2)
PHYSICAL ED. 16	(1)
PHYSICAL ED. 203, 4	(4)
PSYCHOLOGY 2	(3)
Elective	(10)

*Third Year*

BIOLOGY 17-18	(4)
EDUCATION 3-4	(6)
PHYSICAL ED. 5	(2)
PHYSICAL ED. 6	(2)
PHYSICAL ED. 7-8	(4)
PHYSICAL ED. 17	(1)
PHYSICAL ED. 205, 6	(4)
SOCIOLOGY 1	(3)
Elective	(10)

*Fourth Year*

EDUCATION 5, 6	(6)
PHILOSOPHY (any course)	(3)
PHYSICAL ED. 9	(3)
PHYSICAL ED. 10	(3)
PHYSICAL ED. 19	(2)
PHYSICAL ED. 20	(3)
PHYSICAL ED. 22	(2)
PHYSICAL ED. 207, 8	(4)
Elective	(8)

\*Prescribed for students credited with not more than 3 units of mathematics toward admission except those electing Latin.

## ADMINISTRATION

### GRADES OF SCHOLARSHIP

On the completion of a course the standing of a student is expressed, according to his proficiency, by one of six grades, designated respectively by the letters A, B, C, D, E, and F. Grade E denotes failure which may be made up by a satisfactory re-examination. Grade F denotes failure such that the course must be repeated.

Each student is required to do a grade of work that shall average C in the courses pursued in any one year, and, in the event of his failure to do so, he is credited with only the courses in which his grade is C minus or better.

A permanent record is kept of each student's work, and a report of the same is sent to his parents or guardian at the close of each semester. Through correspondence and conferences, the co-operation of parents is sought in the endeavor to obtain the best possible results in the work of students.

### HONORS

#### COMMENCEMENT PARTS

Two commencement honors are assigned: one, the Valedictory, to the person attaining the highest standing in the graduating class; the other, the Salutatory, to the person attaining the next highest standing.

#### GRADUATION WITH DISTINCTION

Members of the graduating class who have shown great proficiency in their entire course may be graduated with distinction if, in the opinion of the Faculty, their attainments warrant such honors. These distinctions, *Summa Cum Laude*, *Magna Cum Laude*, and *Cum Laude*, are given only for unusual excellence in all the subjects pursued by the candidate.



## DEPARTMENT HONORS

Students may be graduated with special honors in departments of study in which they have shown exceptional proficiency, and in which they have done extra work.

1. A candidate for Department Honors must have the endorsement of the professor in charge of the department in which he expects to try for such honors, and must enroll as a candidate at the Dean's office not later than October 1st of the college year in which he expects to receive his degree.

2. A student must maintain a grade not lower than C in any course pursued after the first year and must maintain an average of B while he is pursuing his work as a candidate for Department honors.

3. A candidate must complete an amount of work equivalent to three semester hours in the department in which he intends to try for honors in addition to the full number of semester hours prescribed for graduation. At least twelve semester hours must be in the subject in which he is registered for Department Honors. He must submit to the Faculty a thesis on some subject within the field represented by his extra work. The thesis must be presented at least one week before the time set for the fourth-year final examinations.

## PRIZES

## THE PHILIP H. FOGEL MEMORIAL PRIZE

The Philip H. Fogel Memorial Prize of \$25 is awarded annually to the member of the Senior Class who has attained the highest excellence in the Department of Religion, as shown by examination on completion of at least twelve semester hours of work. The prize has been endowed by Mrs. Edwin J. Fogel in memory of her son Philip H. Fogel, Ph.D., of the Class of 1901.

## THE ROBERT TRUCKSESS PRIZE

A prize of \$20 offered by Robert Trucksess, Esquire, of Norristown, Pennsylvania, is awarded annually at commencement to the member of the graduating class who has pursued

the studies of the History-Social Science Group with the definite intention of entering the profession of the law, and who in his college work has revealed superior ability and promise of success as a future member of the legal profession. The competition for this prize is open only to men.

#### THE PAISLEY PRIZES

Two prizes of \$25 each for the best dissertations on an assigned topic by members of the senior class, one open to men, the other open to women, are offered respectively by Mr. and Mrs. H. E. Paisley, of Philadelphia. These prizes are offered with a view to encouraging students in the thoughtful application of the principles of Christianity to problems of practical life. The awards are made at the annual commencement exercises.

#### THE ELIZABETH ROCKEFELLER MCCAIN PRIZE

A prize of \$50 has been endowed in perpetuity by the late George Nox McCain, Litt.D., of Philadelphia, as a memorial to his mother, Elizabeth Rockefeller McCain. This prize is awarded at each annual commencement to the student who at the end of the second year has shown greatest ability in the knowledge and use of the English language as indicated by work in composition and literature.

#### THE BOESHORE PRIZES

Two prizes of \$25 each, endowed by Mr. and Mrs. Miller H. Boeshore of Philadelphia, one open to men, the other open to women, will be awarded at each annual commencement to those students who have attained the highest standing at the end of the first year in the study of Greek.

#### THE DUTTERA PRIZE

A prize consisting of the income of \$500 contributed by Mrs. Amos Dutterra of Taneytown, Maryland, to be awarded

to the student attaining the highest standing in the study of church history (Religion, Course 6).

#### THE URSINUS WOMEN'S CLUB PRIZE

A prize of \$20, offered by the Ursinus Women's Club, is awarded at graduation to the young woman who has attained highest distinction in athletic sports.

#### THE URSINUS CIRCLE PRIZE

A prize of \$15, offered by the Ursinus Circle, is awarded at Commencement to the young woman who has written the best pageant under the auspices of the Department of Public Speaking.

#### THE ELLEN BEAVER SCHLAYBACH MEMORIAL PRIZE

A prize of \$15, offered by the Omega Chi Sorority, is awarded to the young woman of the Senior Class who has attained the highest scholastic average at the completion of her four years. This prize is offered in memory of one of the Sorority's former presidents, Ellen Beaver Schlaybach, Class of 1938.

#### THE GEORGE DITTER PRIZE

The Hon. J. William Ditter, LL.D., has established in memory of his father, George Ditter, a prize of \$25 to be awarded annually at Commencement to that student in the graduating class whose work as a member of the History-Social Science Group gives promise of contributing most to the perpetuation of democratic self-government.

#### THE ROSICRUCIAN PRIZE

The Rosicrucians, the honor society for women, have established a prize to be awarded at Commencement to the woman student who at the end of the Freshman year has the highest scholastic standing.



## THE EDWIN M. FOGEL PRIZE

The Edwin M. Fogel Prize of \$25 is awarded annually to the student who, under the direction of the Department of History and the Department of German, submits the best essay on the contribution of the Pennsylvania Germans to American life and culture. The prize has been endowed by Edwin M. Fogel, Ph.D., of Fogelsville, Pa.

## DEGREES

Ursinus College confers two degrees in course—those of Bachelor of Arts and Bachelor of Science. For specific requirements see pages 64-66. Degrees are conferred only on academic occasions and candidates must present themselves in person. Persons seeking the Master's degree are referred to the graduate schools of universities.

The College may confer the honorary degrees of Doctor of Divinity, Doctor of Pedagogy, Doctor of Science, Doctor of Letters, and Doctor of Laws on persons whose distinguished ability or service may have been deemed worthy of such recognition by the Faculty.

## ORGANIZATIONS

The BEARDWOOD CHEMICAL SOCIETY, the JAMES M. ANDERS PRE-MEDICAL SOCIETY, the ENGLISH CLUB, the FRENCH CLUB, the GERMAN CLUB, the INTERNATIONAL RELATIONS CLUB, the MANUSCRIPT CLUB, and the PRE-LEGAL SOCIETY, are organizations for the promotion of scholarly interest in various fields of study.

The DEBATING CLUBS, TAU KAPPA ALPHA, and the CURTAIN CLUB foster interest and develop skill in their respective fields of expression.

The YOUNG MEN'S CHRISTIAN ASSOCIATION, the YOUNG WOMEN'S CHRISTIAN ASSOCIATION, and the BROTHERHOOD OF ST. PAUL represent active and helpful forms of religious life among the students.

THE STUDENT GOVERNMENT ASSOCIATIONS, the ATHLETIC ASSOCIATIONS, the VARSITY CLUB, STUDENT PUBLICATIONS, GLEE CLUB, the COLLEGE ORCHESTRA, the BAND, and the CHAPEL CHOIR provide a wide range of extra-classroom activities for the exercise of special talents and the development of latent abilities.

### PUBLICATIONS

THE URSINUS BULLETIN, of which the catalogue is a number, is the official publication of the College. It is issued six times a year and is distributed free of charge to the students and the public.

THE URSINUS WEEKLY is managed by a Board of Control representative of the Faculty and the student body, and edited by a Staff chosen from among the students on a basis of merit. It is a four-page newspaper, invaluable to students and alumni as a record of life at Ursinus.

THE LANTERN, student literary journal, is issued three times a year.

THE RUBY, published by the Senior Class, is a pictorial volume presenting an intimate view of the year's life, not only of the Class, but of the whole College.

### POST OFFICE AND SUPPLY STORE

A Post Office is maintained on the campus for the accommodation of students. Adjacent to the Post Office is a Supply Store, in which is kept on sale college jewelry, stationery, confections, and students' supplies. New and second-hand books are supplied on order. The profits of the Store are used in the support of the College Library.

### EXPENSES

Ursinus College is a residential college. All students, except those who reside in their own homes, occupy rooms provided by the College and take their meals in the College dining

rooms. The expenses of the year are therefore comprehended in a single fee which covers class-room instruction; privileges of the library, the gymnasium, and the infirmary; ordinary medical attention; care by the resident nurse; subscription to the *Ursinus Weekly*; admission to all athletic games on the home grounds; support of debating, the Christian associations, and student government organizations; furnished room including heat, light, and attendance; and table board exclusive of the Christmas and Easter recesses. This fee is \$725, to which \$40 is added for men who occupy rooms in the Brodbeck and Curtis dormitories; \$75 for women who reside in Clamer Hall, at 612 Main Street, and at 944 Main Street; and \$25 for those who reside in the other residence halls for women. The charge for a student living in his own home is \$370. For each semester hour of work above the normal maximum of sixteen hours a charge of \$10 is made. The College reserves the right to make reasonable alterations in the fee at the beginning of any semester in order to cover possible unforeseen costs.

Each resident student supplies his own towels, two pairs of sheets for a single bed, mattress protector, a pair of pillow cases (19 x 34), a pair of blankets, and a bedspread.

First-year students, except those whose presence is required for service, are requested to vacate their rooms immediately following the second semester examinations to provide accommodations for alumni attending commencement.

Extra charges to cover the cost of materials in laboratory courses, payable on or before November 5, are as follows:

Biology A-B .....	\$ 5.00	Chemistry 9-10 .....	\$15.00
Biology 3-4 .....	15.00	Chemistry 16 .....	10.00
Biology 7-8, 9-10 ...	20.00	Physical Education 19	2.50
Biology 15-16 .....	20.00	Physics 1a-2a .....	15.00
Biology 6, 17-18 ....	10.00	Physics 1-2 .....	15.00
Chemistry 1-2 .....	18.00	Physics 3, 4 .....	15.00
Chemistry 3-4 .....	18.00	Physics, 5, 6 .....	15.00
Chemistry 5-6 .....	15.00	Physics 7a-8a .....	15.00
Chemistry 7-8 .....	20.00		



A fee of \$50, payable on or before November 16, is required of each student engaged in practice teaching.

To a student who receives instruction in typing a fee of \$20 is charged for the year's work.

To a student who receives instruction in shorthand a fee of \$20 is charged for the year's work.

To a student taking entrance examinations a fee of \$10 is charged, payable in advance.

To a student in his senior year, a graduation fee of \$20 is charged in the last bill of the senior year.

A charge of \$1 is made for the transcript of a student's record.

A deposit of \$10 is required of each student to defray any expenses incurred by injury to property. The unexpended balance is returned to the student when he leaves the institution.

A student who is absent from College on account of sickness or for any other reason, and retains his place in class, pays the Comprehensive Fee in full during his absence, except when the absence is continuous over a period exceeding two weeks, in which case resident students are allowed a rebate of \$5 for each full week, on account of table board. No remittance is allowed on account of dismissal or withdrawal of a student from the institution during a semester.

Inasmuch as the College provides a health service including a regularly appointed physician and a resident nurse, which service is available to all students of the institution, the College will not undertake to pay bills contracted by students with physicians not in the service of the institution. The College maintains the right to enforce quarantine and to engage the services of a special attendant if necessary, but will not be responsible for the compensation of extra physicians, nurses, or attendants, which compensation must be provided by the student or his parent or guardian.

## FEES FOR INSTRUCTION IN MUSIC

Private individual instruction: organ, piano, violin, voice, or any band or orchestral instrument, \$30, one lesson each week, term of fifteen weeks. Violin, voice, or band and orchestral instruments in classes, \$15 per term of fifteen weeks.

## PAYMENT OF BILLS

A candidate for admission must pay \$10 on account at the time he files his application. An enrolled student must pay \$10 on or before April 24th of each year and \$50 on or before August 5th in order to reserve a place for the ensuing year. These payments are forfeited if the student fails to complete his registration.

The yearly charge to the student is payable in two installments and *must be paid on or before the dates designated as follows:*

	Resident Students	Day Students
At the opening of college . . . . .	\$362.50	\$185.00
On or before January 5 . . . . .	362.50	185.00

The bills may vary from the stated amounts in certain instances on account of location of rooms and laboratory charges. Bills are issued approximately thirty days in advance. Students whose accounts are still open will not receive credit for attendance upon classes after the dates of settlement announced above.

No student who is indebted to the institution or to any of its departments or agencies will be permitted to register at the beginning of any academic year, and all items due the College from a candidate for graduation must be paid before the candidate may be presented for a degree.

*Checks should be made payable to Ursinus College.*

## SCHOLARSHIPS

## PERMANENT SCHOLARSHIPS

The College possesses a number of permanent scholarships. The income of each scholarship is assigned annually to a student designated by the College. The list of these scholarships is as follows:

THE JOHN ALEXANDER SCHOLARSHIP, founded by John Alexander, D.D., of St. Louis, Missouri, in appreciation of benefits enjoyed when a student in the College, \$1,000

THE APPEL MEMORIAL SCHOLARSHIP, founded under the will of the Rev. Richard S. Appel, D.D., as a memorial to his son Robert S. Appel, A.B., '01, 2,000

THE ASPDEN MEMORIAL SCHOLARSHIP, founded by Mr. Newton J. Aspden, of Trinity Reformed Church, Philadelphia, in memory of his beloved wife, Levinah Erb Aspden, 5,000

THE BAHNER SCHOLARSHIP, founded in 1919 by the members of Trinity Reformed Church, Waynesboro, Pa., in honor of the Rev. Franklin F. Bahner, D.D., '73, and his wife, Mary Ella Bahner, on their completion of forty-two years of devoted service in the pastorate of the Waynesboro charge, 1,000

THE VALERIA BEHNEY SCHOLARSHIP, founded by Charles A. Behney, M.D., '12, 1,000

THE BETHANY TABERNACLE SCHOLARSHIP, founded by the congregation of Bethany Tabernacle Reformed Church, Philadelphia, the Rev. H. H. Hartman, '94, pastor, 2,000

THE J. WILLIAM BIRELEY SCHOLARSHIP, founded by Mr. J. William Bireley of Frederick City, Md., 1,000

THE ANNA M. BOMBERGER SCHOLARSHIP, founded by Miss Anna M. Bomberger, with gifts amounting to \$600 and completed by Mrs. H. S. Bomberger, both of Lancaster, Pa., 1,000

THE JOHN BROWNBACK MEMORIAL SCHOLARSHIP, founded by Mrs. Melinda M. Acker and Miss Mary M. Brownback, of Uwchland, Chester County, Pa., in memory of their father, 1,000

THE MARY M. BROWNBACK SCHOLARSHIP, founded under the will of Miss Mary M. Brownback, of Uwchland, Chester County, Pa., 1,000



THE CARSON SCHOLARSHIP, founded under the will of Captain John Carson, of Newberg, Cumberland County, Pa., \$1,000

THE JOHN H. CONVERSE SCHOLARSHIP, founded by Mr. John H. Converse, of Philadelphia, 1,000

THE DEITZ SCHOLARSHIP, founded by Gilbert A. Deitz, '18, and Purd E. Deitz, '18, in memory of Martha E. Deitz and Mattie A. Deitz, 1,000

THE BARNABAS DEVITT SCHOLARSHIP 1,000

THE ELSIE DEVITT SCHOLARSHIP 1,000

THE EMMA MAYBERRY DEVITT SCHOLARSHIP 1,000

The Devitt Scholarships were founded under the will of Emma Devitt of Philadelphia Pa.

THE CHARLES AND ELIZABETH DRUMM SCHOLARSHIP, founded by Mr. Charles Drumm, of Philadelphia, Pa., 4,000

THE FETTEROLF MEMORIAL SCHOLARSHIP, founded under the will of Abraham D. Fetterolf, of Collegeville, Pa., 2,000

THE JOHN B. AND HORACE A. FETTERS SCHOLARSHIP, founded under the will of Miss Mary M. Brownback, of Uwchland, Chester County, Pa., 1,000

THE JOHN B. FETTERS MEMORIAL SCHOLARSHIP, founded by Mrs. Rebecca B. Feters, of Uwchland, Chester County, Pa., in memory of her son, who died after a week's attendance at College in September, 1885, 1,000

THE ALICE L. AND WILLIAM D. FOX SCHOLARSHIP, founded under the will of Mrs. Alice L. Fox, of Lebanon, Pa., 1,000

THE HENRY FRANCIS SCHOLARSHIP, founded by Mr. Henry Francis, of Spring City, Pa., 1,000

THE ELIZABETH FREY SCHOLARSHIPS, founded by gift of Mrs. Elizabeth Frey, of Stewartstown, Pa., 11,500

THE GRACE CHURCH SCHOLARSHIP, founded by Milton Warner and Wilson H. Lear, of Grace Reformed Church, Philadelphia, Pa., 1,000

THE HEIDELBERG SCHOLARSHIP, founded by a member of Heidelberg Reformed Church, York, Pa., 1,000

## Scholarships

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THE WILLIAM URSINUS HELFFERICH SCHOLARSHIP, founded by Christ Reformed Church, Bath, Pa., on the twenty-fifth anniversary of the ministry of their pastor, \$1,380

THE WILLIAM A. HELFFRICH SCHOLARSHIP, founded by the Rev. W. A. Helffrich, D.D., of Fogelsville, Pa., 1,000

THE GEORGE W. AND FRANCIS R. HENCH SCHOLARSHIP, founded by the Rev. S. M. Hench, D.D., of Trappe, Pa., in memory of his parents, 1,500

THE MATTIE B. HENCH SCHOLARSHIP, founded by Mrs. Mattie B. Hench, of Trappe, Pa., 1,200

THE JOSEPH H. HENDRICKS MEMORIAL SCHOLARSHIP, founded in memory of the Rev. Joseph H. Hendricks, D.D., for forty-three years (1862-1905) pastor of Trinity Church, Collegeville, and for eighteen years (1887-1905) a Director of Ursinus College, by his friend, Jacob P. Buckwalter, of Macon Georgia, 5,000

THE HILLTOWN SCHOLARSHIP, founded by the Hilltown charge of the Reformed Church in the United States, Bucks County, Pa., 1,000

THE FREELAND G. HOBSON SCHOLARSHIP, founded under the will of Freeland G. Hobson, LL.D., '76, of Collegeville, 1,000

THE MARY E. AND JAMES M. S. ISENBERG SCHOLARSHIP, founded by Paul H. Isenberg, '21; Lillian Isenberg Behney, '23, and Helen Isenberg Ballantyne, '24, in memory of their parents, 1,000

THE SAINT JOHN'S ORWIGSBURG, SCHOLARSHIP, founded by the congregation of Saint John's Reformed Church, Orwigsburg, Pa., the Rev. D. R. Krebs, D.D., '02, pastor, 1,000

THE KEELEY SCHOLARSHIP, founded by Mr. Joseph Keeley, of Spring City, Pa., 1,000

THE KELKER SCHOLARSHIP, founded by Mr. Rudolph F. Kelker, of Harrisburg, Pa., 1,000

THE FRANCIS KREADY SCHOLARSHIP, founded by Miss Francis Kready, of Lancaster, Pa. 2,000

THE FRANKLIN W. KREMER MEMORIAL SCHOLARSHIP, founded by the Rev. F. W. Kremer, D.D., with gifts amounting to \$500, and completed by the Sunday School of the First Reformed Church, of Lebanon, Pa., in grateful memory of his thirty-eight years' pastorate by an endowment of \$500, \$1,000

THE LEROY BOYER LAUBACH SCHOLARSHIP, founded in memory of LeRoy Boyer Laubach by his mother, Mrs. M. B. Laubach, of Philadelphia, Pa., 2,000

THE SARAH J. LEIPHART SCHOLARSHIP, founded under the will of Mrs. Sarah J. Leiphart, of York, Pa., 9.053

THE FRANCIS MAGEE SCHOLARSHIP, founded by the late Francis Magee, of Philadelphia, 1,000

THE AARON E. MARCH SCHOLARSHIP, founded by Aaron E. March, of York, Pa., 2,000

THE SAINT MARK'S SCHOLARSHIP, founded in 1918 by the members of Saint Mark's Reformed Church, Lebanon Pa., in honor of their pastor, the Rev. I. Calvin Fisher, D.D., '89, and his wife, Eva S. Fisher, and in celebration of their twenty-fifth anniversary in the pastorate of Saint Mark's Church, 1,000

THE JAMES W. MEMINGER SCHOLARSHIP, founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., in honor of the Rev. James W. Meminger, D.D., '84, former pastor, 1,000

THE MEYRAN SCHOLARSHIP, founded by Mr. Louis A. Meyran and his wife, Marie H. Meyran, of Grace Reformed Church, Pittsburgh, Pa., 2,000

THE ANNIE NEFF SCHOLARSHIP, founded under the will of Miss Annie Neff, of Alexandria, Huntingdon County, Pa., 1,500

THE MARTIN B. NEFF SCHOLARSHIP, founded in memory of the late Martin B. Neff, of Alexandria, Pa., and in recognition of his life-long interest in Ursinus College, out of the funds of his estate, at the instance of his sister, Miss Annie Neff, 1,800

THE GEORGE LESLIE OMWAKE SCHOLARSHIP FUND, founded by several hundred alumni and other friends of the sixth president of Ursinus College, 14,624



## Scholarships

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THE OMWAKE MEMORIAL SCHOLARSHIP, founded by W. T. Omwake, Esq., of Waynesboro, Pennsylvania, as a memorial to his parents, Henry and Eveline Beaver Omwake, \$2,000

THE PAISLEY SCHOLARSHIP, founded in honor of Mrs. Carrie Strassburger Paisley, of Trinity Reformed Church, Philadelphia, 2,000

THE SAINT PAUL'S, LANCASTER, SCHOLARSHIP, founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., the Rev. T. A. Alspach, D.D., '07, pastor, 2,000

THE PENNSYLVANIA FEMALE COLLEGE MEMORIAL SCHOLARSHIP, founded by the Glenwood Association, a body of former students of the Pennsylvania Female College, in recognition of the earlier work done at Collegeville for the higher education of women, 3,000

THE NERI F. AND SERENA J. PETERS SCHOLARSHIP, founded in memory of the Rev. and Mrs. Neri F. Peters by their children, 1,000

THE JESSE W. ROBERTS MEMORIAL SCHOLARSHIP, founded by Charles V. Roberts, '32, in memory of his father, 1,000

THE SILAS H. RUSH SCHOLARSHIP, founded in memory of her parents, Mr. and Mrs. Silas H. Rush, by Mrs. E. R. Hoffman, of Philadelphia, 1,000

THE SCHWENKSVILLE COMMUNITY SCHOLARSHIP, founded by the citizens of Schwenksville, Pa., 1,902

THE J. B. SHONTZ MEMORIAL SCHOLARSHIP, founded by the Congregation and Sunday-school of Saint John's Reformed Church, Chambersburg, Pa., in memory of their former pastor, the late Rev. J. B. Shontz, 1,000

THE A. LIZZIE SHREINER SCHOLARSHIP, founded under the will of Miss A. Lizzie Shreiner, of Lancaster, Pa., 1,200

THE SIEBERT SCHOLARSHIP, founded under the will of P. W. Siebert, of Pittsburgh, Pa., 1,004

THE GEORGE S. SORBER SCHOLARSHIP, founded by the Rev. George S. Sorber, D.D., of York, Pennsylvania, 2,000

THE NATHAN SPANGLER SCHOLARSHIP, founded by Mr. Nathan Spangler, of York, Pa., \$1,000

THE SPRANKLE SCHOLARSHIP, founded under the will of Samuel Sprankle, of Altoona, Pa., 2,000

THE STAUFFER MEMORIAL SCHOLARSHIP, founded in memory of Robert Ursinus and John Donald Stauffer, deceased children of the pastor, Rev. J. J. Stauffer, by gifts amounting to \$500 from the pastor and members of the Lykens Valley charge, and completed by a bequest of \$500 under the will of Mrs. Elizabeth Ritzman, of Gratz, Pa., 1,000

THE CLEMENTINA R. STEWART SCHOLARSHIP, founded under the will of Miss Clementina R. Stewart, of Myers-town, Pa., 1,000

THE TRINITY BIBLE SCHOOL SCHOLARSHIP, founded by the Bible School of Trinity Reformed Church, Philadelphia, 1,985

THE TRUMBOWER MEMORIAL SCHOLARSHIP, founded by Mr. H. C. Trumbower, of Trinity Reformed Church, Philadelphia, in memory of his parents, Dr. Lewis T. and Annie B. Troxel Trumbower, 5,000

THE ARRAHAM WAGNER SCHOLARSHIP, founded under the will of Mr. Abraham Wagner, of the Robinson Church, Berks County, Pa., 1,000

THE GEORGE A. WALKER SCHOLARSHIPS, founded under the will of George A. Walker, of Philadelphia, Pa., 10,000

THE GEORGE WOLFF SCHOLARSHIP, founded by the Rev. George Wolff, D.D., of Myerstown, Pa., 1,000

#### SCHOLARSHIPS

The College offers to each class at admission six Open Scholarship of \$350 each. Many endowed scholarships, varying in value from \$50 to \$200 a year, are available. Each scholarship is tenable for four years, provided that the holder's conduct and scholastic work remain satisfactory. All scholarships to first-year students are awarded on the basis of the results of competitive examinations held at the College. Correspondence regarding scholarships should be addressed to the Registrar.

## APPLICATION FOR SCHOLARSHIPS

Scholarship application forms may be obtained from the Office of the Registrar. Candidates for scholarships must complete and submit a scholarship application form and an application for admission form. The regular pre-matriculation fee of \$10 must accompany the application. If a candidate fails to receive a scholarship award and, because of that fact, is unable to complete registration at Ursinus College, one-half of the pre-matriculation fee will be refunded upon request.

## LOAN FUND

A loan fund has been established through gifts of individuals and an appropriation by the Board of Directors, out of which loans are made to upper-class students under a contract providing definitely for their repayment. Application must be made to the President of the College, who is custodian of the Fund.

## BUREAU OF SELF-HELP

This bureau, conducted under the management of officers of the College, provides opportunities in which students may meet part of their expenses by serving in working positions in the institution. These positions are standardized so as to represent an amount of work not likely to overtax the physical resources of the student nor to interfere with his studies. Positions under the Bureau of Self-Help, however, always must be regarded as taking precedence over any extra-curriculum student activities. A standard position, as a waitership in the dining room, yields compensation amounting to one hundred and seventy-five dollars for the year. About eighty positions, representing varying amounts and types of work, are open to students.



## MEDICAL SERVICE

The regular fee paid by students entitles them to medical treatment without charge. The College Physician, whose aim is to maintain health as well as to treat disease, may be consulted in his office on the campus during office hours, and he will regularly visit patients lodged in the infirmaries or confined to their rooms. The Resident Nurse is in charge of the infirmaries, cares for the sick under the direction of the Physician, attends to minor ills and injuries, and lends her aid in maintaining physical health and efficiency among the students of the College.

Each student is given a physical examination on entering college, and is advised as to ways and means of maintaining health and fitness for work.

## TEACHER PLACEMENT BUREAU

Ursinus College, through its Department of Education, conducts a Teacher Placement Bureau for assisting members of the Senior Class to obtain positions. This Bureau cooperates with the Placement Service, Teacher Bureau, Department of Public Instruction, Harrisburg, Pennsylvania, and the Pennsylvania State Teacher Placement Association, of which Ursinus College is a member. All of these services are free. Communications should be addressed to Professor Eugene B. Michael or Professor Jesse S. Heiges.

## BUILDINGS AND EQUIPMENT

### BUILDINGS

BOMBERGER MEMORIAL HALL, named for J. H. A. Bomberger, President of Ursinus College, 1870-1890, is a large and imposing structure in the Romanesque style of architecture, built of Pennsylvania blue marble. This building is for the use of the departments of language and literature, the social sciences, history, philosophy, religion, public speaking, and music. In it are the chapel, twelve classrooms, six conference rooms, a seminar room, two music studios, two day studies, and the offices of the Dean, the Registrar, the Treasurer, and the Director of Student Teaching and Placement. The erection of Bomberger Hall was made possible by the benefactions of the late Robert Patterson. The CLARK MEMORIAL ORGAN, the gift of Mrs. Charles Heber Clark of Conshohocken, Pa., occupies a position in the front of the chapel in Bomberger Hall. The organ is a memorial to the late Charles Heber Clark, LL.D.

PFAHLER HALL OF SCIENCE, erected in 1931-32, and named in honor of Dr. George E. Pfahler of Philadelphia, is a fireproof structure, 186 feet in length and 96 feet in depth. The first floor and basement are devoted to work in psychology, education, mathematics and physics, the second floor to biology, and the third floor to chemistry. The building contains the office of the President, thirteen teaching laboratories, two laboratories for research, nine professors' laboratories, three temperature rooms, a dark room, a balance room, two storage rooms, vivarium and aquarium, six supply and

preparation rooms, a machinery room, workshop, electrical control room, elevator, incinerator, seven classrooms, a lecture hall with gallery and projection booth, a library and reading room, two rooms for stenographers, and nine locker rooms, cloak rooms, and lounges.

The ALUMNI MEMORIAL LIBRARY contains a commodious and attractive reading room which accommodates one hundred twenty students, offices of the Library Staff, seminar rooms, work room, Faculty and Directors room, stacks, vaults containing rare books, manuscripts and college archives, and a museum. The museum houses The Shaw-Bernard Collection (the gift of Mr. J. Maxwell Shaw, of Chester, Pennsylvania) which contains hundreds of miscellaneous museum pieces collected from all parts of the world. This building, erected by the alumni and non-graduate former students, is a tribute to their fellows who served their country in World War I and a memorial to those who gave their lives.

THE THOMPSON-GAY GYMNASIUM, built in 1927, occupies a convenient position adjoining Patterson Field and John B. Price Field. It is built of native brownstone, structural steel, and concrete. It contains a playing-floor, a gallery for spectators, locker rooms, shower rooms, coaches' offices, and storage rooms. At one end of the main floor is a completely equipped theatrical stage. Portable seating constitutes part of the equipment of the building. This building is a memorial to Robert W. Thompson, '12, and George H. Gay, '13, noted Ursinus athletes, both of whom died in their senior year in College.

FREELAND HALL, the original building of Freeland Seminary, DERR HALL and STINE HALL constitute a group of buildings for domestic purposes. The buildings are of stone,



four stories in height with a fifth story of dormer rooms. On the two lower floors are the dining rooms, four in number, the kitchen, storage and refrigeration room, and the office of the dietitian. The upper floors are fitted up for the residence of men students. The rooms are of varying size, designed for one or two occupants, a number being arranged *en suite*.

THE BRODBECK and CURTIS DORMITORIES FOR MEN are new buildings of exactly the same size and design. They are in English Colonial style and are built of Chestnut Hill stone. Each building has four floors. The rooms are spacious, well-lighted, and easy of access by means of fireproof stairways. They bear the names of esteemed benefactors of the College, Andrew R. Brodbeck and Cyrus H. K. Curtis.

SHREINER HALL, fronting on Main Street and facing the College campus, is a residence hall for women. This is a three-story brick building arranged for the accommodation of twenty-nine students. On the first floor are a reception room and the office of the Dean of Women.

612 MAIN STREET, next to Shreiner Hall, is a residence hall for fourteen women and a faculty family.

TRINITY COTTAGE, familiarly known as South Hall, is a residence for women located in Sixth Avenue. This building, with the grounds on which it is located, represents a joint benefaction to the college by the late Henry M. Housekeeper, who was an elder in Trinity Reformed Church, Philadelphia, and the late Abram G. Grater, who was an elder in Trinity Reformed Church, Norristown, Pa.

THE MAPLES, a three-story building located on Main Street, opposite the east campus, a residence hall for women, has a capacity for thirty students.

GLENWOOD, FIRCROFT, CLAMER HALL, and 944 MAIN STREET are leased by the College and used as additional residence quarters for women.

LYNNEWOOD is a private residence hall for students located off campus but convenient to the College.

SPRANKLE HALL, on the east campus fronting Fifth Avenue, provides apartments for women students and officers of the institution.

SUPERHOUSE, a residence on Main Street opposite the College grounds bequeathed to the College by the late Henry W. Super, D.D., LL.D., Vice President and Professor of Mathematics, 1870-1891, and Acting President, 1892-1893, and constituting a fitting memorial of his long and valued services to the institution, is the home of the Vice-President.

HIGHLAND HALL, located on Main Street about a ten minutes' walk west of the campus, is owned by the College and used for institutional purposes.

THE EGER GATEWAY, a beautiful piece of work in Chestnut Hill and Indiana stone masonry and hand-wrought iron, was erected in 1925 by George P. Eger, of Reading, Pennsylvania, father of S. A. Eger, M.D., Class of 1925. It constitutes the entrance to the avenue leading to Freeland Hall.

## LISTS OF STUDENTS

Abbreviations are used to designate residence halls as follows: Sh. H., Shreiner Hall; T. C., Trinity Cottage; Mp., The Maples; G., Glenwood; C. H., Clamer Hall; 612, 612 Main Street; 944, 944 Main Street; Sp., Sprinkle Hall; F. H., Freeland Hall; D. H., Derr Hall; S. H., Stine Hall; B. D., Brodbeck Dormitory; C. D., Curtis Dormitory; H. H., Highland Hall.

### THE MATHEMATICS GROUP

ELEANOR BEATRICE BAUER.....	<i>Spring City</i> .....	Spring City
JOHN BISHOP BUCKMAN.....	<i>Norristown</i> .....	Norristown
DOROTHY GLADYS CHARLESWORTH...	<i>Vineland, N. J.</i> .....	T. C.
ROBERT HUGH CLARK.....	<i>Philadelphia</i> .....	F. H.
ROBERT LEE COOKE, JR.....	<i>Newton</i> .....	B. D.
ALVIN JEREMIAH CREITZ.....	<i>Schnecksville</i> .....	B. D.
RAYMOND ANDREW DUNCAN.....	<i>Sharon Hill</i> .....	C. D.
ROBERT FRANKLIN DUSENBERRY...	<i>Ridgewood, N. J.</i> .....	D. H.
RUSSELL WILLIAM ECKERT.....	<i>Hellertown</i> .....	C. D.
MARY ELICE ESTABROOK.....	<i>Norristown</i> .....	Norristown
CHARLES HENRY FRANKENFIELD....	<i>Wyncote</i> .....	C. D.
ARTHUR JOHN GEHRING, JR.....	<i>Chester</i> .....	B. D.
JACK CLARK GIBSON.....	<i>Chambersburg</i> .....	Norristown
GEORGE MICHAEL HAMSCHER.....	<i>Philadelphia</i> .....	S. H.
BETTY GERTRUDE HARRISON.....	<i>Philadelphia</i> .....	Fircroft
JOHN THEODORE HARSCH.....	<i>Gwynedd</i> .....	C. D.
ROBERT ROSSMAN HECKMAN.....	<i>Asbury Park, N. J.</i> .....	B. D.
GLADYS MYRA HOWARD.....	<i>Collingswood, N. J.</i> .....	Mp.
GEORGE W. HUNT.....	<i>Wyckoff, N. J.</i> .....	D. H.
WALTER AUSTIN HUNT.....	<i>Valley Stream, N. Y.</i> .....	B. D.
ANNA EMYLINE KUTZ.....	<i>Bowmanstown</i> .....	G.
RALPH IVINS MENDENHALL.....	<i>Harrisburg</i> .....	B. D.
CHARLES JOHN MICHOSE.....	<i>Paterson, N. J.</i> .....	S. H.
ALLEN CHARLES MUNSTER.....	<i>Red Lion</i> .....	F. H.
LOUIS HENRY MYERS, JR.....	<i>Ventnor City, N. J.</i> .....	C. D.
DOROTHY MAE NYCE.....	<i>Norristown</i> .....	Norristown
MICHAEL RAMUNDO.....	<i>Paterson, N. J.</i> .....	C. D.
CLARENCE DANIEL RICHARD, JR....	<i>Schwenksville</i> .....	Schwenksville
DOROTHY LOUISE RICHARDSON.....	<i>Chestnut Hill</i> .....	H. H.
MARY ELIZABETH ROSCIOLA.....	<i>Norristown</i> .....	Norristown
JANE ELIZABETH SHUMAKER.....	<i>Allentown</i> .....	Mp.
EVAN SAMUEL SNYDER.....	<i>Lehigh</i> .....	B. D.
EDWARD FRANCIS STEVENS.....	<i>Plymouth</i> .....	B. D.
RUTH LOIS STRATHMEYER.....	<i>York</i> .....	H. H.



EVERETT MONROE TAYLOR.....	<i>Thorofare, N. J.</i> .....	C. D.
KATHARINE ELIZABETH WALTERS...	<i>Philadelphia</i> .....	C. H.
SHIRLEY ELIZABETH WHITESIDE...	<i>Narberth</i> .....	C. H.
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## SPECIAL STUDENT

BENETTA WARREN SNIVELY.....	<i>Philadelphia</i> .....	H. H.
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The italic letters set opposite the name indicate the group or department to which the student belongs: M., Mathematics group; C-B., Chemistry-Biology group; H-S., History-Social Science group; E., English group; M-L., Modern Languages group; B.A., Business Administration group; P.E., Physical Education group.

Abel, J. E., 1 <i>H-S.</i>	Blasser, M. L., 2 <i>B.A.</i>
Abel, V. J., 1 <i>H-S.</i>	Bock, L. E., Jr., 3 <i>B.A.</i>
Ace, S. R., 1 <i>C-B.</i>	Boger, B., 3 <i>C-B.</i>
Ackerman, R. A., 1 <i>C-B.</i>	Boger, D. R., 2 <i>H-S.</i>
Alderfer, H. H., 4 <i>C-B.</i>	Bomberger, N. G., 1 <i>E.</i>
Allen, M. L., 2 <i>B.A.</i>	Bookhout, M. B., 1 <i>E.</i>
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Allinson, E. H., 3 <i>B.A.</i>	Boswell, J. L., 3d, 2 <i>C-B.</i>
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Baganz, H. M., Jr., 2 <i>C-B.</i>	Bressler, M. M., 1 <i>C-B.</i>
Baghurst, W. F., 4 <i>C-B.</i>	Bricker, M. F., 4 <i>P.E.</i>
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Baird, A., 2 <i>P.E.</i>	Brooks, L. M., 3 <i>P.E.</i>
Balthaser, A. C., 1 <i>H-S.</i>	Brown, E. C., 4 <i>H-S.</i>
Barbash, J. T., 3 <i>B.A.</i>	Brown, F. E., 2 <i>P.E.</i>
Barrie, G., 1 <i>C-B.</i>	Brown, M. K., 4 <i>E.</i>
Bartholomew, B. A., 1 <i>H-S.</i>	Brown, N. H., 1 <i>C-B.</i>
Bartholomew, R. M., 3 <i>E.</i>	Brown, W. J. J., 1 <i>C-B.</i>
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Bauer, E. B., 2 <i>M.</i>	Brunner, E. W., Jr., 3 <i>C-B.</i>
Bauer, J. A., Jr., 2 <i>C-B.</i>	Brunner, J. W., 1 <i>M-L.</i>
Bauer, R. L., 4 <i>C-B.</i>	Brunner, M. G., 1 <i>C-B.</i>
Bayne, G. M., 4 <i>C-B.</i>	Buckley, E. I., 1 <i>H-S.</i>
Beadling, W. H., 1 <i>C-B.</i>	Buckman, J. B., 4 <i>M.</i>
Bechtel, J. C., 1 <i>H-S.</i>	Buckner, J. H., 2 <i>B.A.</i>
Becker, F. B., 4 <i>C-B.</i>	Buckridge, C. J., 1 <i>H-S.</i>
Beers, J. R., 1 <i>E.</i>	Burke, W. S., 3 <i>B.A.</i>
Behler, J. J., 3 <i>M-L.</i>	Burkhalter, J. H., 4 <i>B.A.</i>
Beidelman, A. M., 3 <i>E.</i>	Burns, T. M., Jr., 2 <i>B.A.</i>
Belli, H. K., 1 <i>B.A.</i>	Burroughs, C. W., 4 <i>C-B.</i>
Benda, I. B., 3 <i>M-L.</i>	Carney, F. S., 1 <i>H-S.</i>
Bickel, J. R., 3 <i>H-S.</i>	Carney, H. K., 1 <i>C-B.</i>

- Cassatt, E. J., 2 *M-L*.  
 Cassell, C. S., 4 *B.A.*  
 Celmer, P. R., Jr., 2 *C-B*.  
 Chance, D. B., 3 *B.A.*  
 Charlesworth, D. G., 4 *M*.  
 Chiaravalloti, J. M., 1 *C-B*.  
 Clark, F. G., 4 *B.A.*  
 Clark, R. H., 1 *M*.  
 Clark, W., 1 *C-B*.  
 Clayes, E. A., 1 *M-L*.  
 Clayes, S. A., 3 *E*.  
 Cloud, B. E., 2 *P.E.*  
 Cochran, R. A., 4 *C-B*.  
 Cole, M., 2 *C-B*.  
 Conlin, E. A., 1 *P.E.*  
 Cook, E. S., 4 *B.A.*  
 Cooke, B. A., 3 *E*.  
 Cooke, R. L., Jr., 4 *M*.  
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 Cowell, B. M., 1 *H-S*.  
 Cramer, F. B., 2 *C-B*.  
 Creitz, A. J., 4 *M*.  
 Croasdale, V. C., 1 *C-B*.  
 Crosby, A. H., 4 *C-B*.  
 Crump, J. W., 1 *C-B*.  
 Crump, P. L., 2 *E*.  
 Cunningham, B. F., 1 *C-B*.  
 Cunningham, E. M., 2 *E*.  
 Currens, G. R., 3 *B.A.*  
 Curtis, F. J., Jr., 4 *H-S*.  
 Dahlman, H. W., 2 *H-S*.  
 Danes, E. A., 1 *M-L*.  
 Daniels, W. H., 4 *H-S*.  
 Davis, A. D., 2 *B.A.*  
 Davis, E. P., 1 *H-S*.  
 Davis, R. E., 2 *H-S*.  
 Dean, H. R., 3 *M-L*.  
 DeAngelis, M. E., 1 *E*.  
 Deibler, S. M., 1 *H-S*.  
 Deisher, M. C., 1 *H-S*.  
 Dell, D. W., 1 *C-B*.  
 Derham, J. S., 1 *C-B*.  
 Detwiler, E. D., 3 *E*.  
 Detwiler, P. R., 3 *B.A.*  
 Detz, L. H., 1 *C-B*.  
 DeVore, E. D., 2 *M-L*.  
 DiMedio, M. T., 4 *C-B*.  
 Ditter, J. W., Jr., 4 *H-S*.  
 Ditzler, R. E., 1 *C-B*.  
 Dixon, R. E., 3 *C-B*.  
 Djorup, B. A., 2 *E*.  
 Dorner, E. M., 2 *E*.  
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 Dowd, E. M., 2 *B.A.*  
 Downing, S. I., 4 *B.A.*  
 Downs, M. A., 4 *C-B*.  
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 Drumheller, H. J., 4 *M-L*.  
 Duncan, R. A., 4 *M*.  
 Dusenberry, R. F., 1 *M*.  
 Dyer, A. S., 2 *C-B*.  
 Eagles, E. R., 1 *C-B*.  
 Eccles, R. P., 1 *C-B*.  
 Eckenroth, J. R., 3 *P.E.*  
 Eckert, R. W., 2 *M*.  
 Edwards, R. S., 2 *C-B*.  
 Ekstrom, N. L., 1 *C-B*.  
 Ellis, S. E., 1 *H-S*.  
 Ernest, M. V., 4 *E*.  
 Espenshade, J. Y., 3 *E*.  
 Estabrook, M. A., 4 *M*.  
 Evans, E. M., 2 *M-L*.  
 Evans, N. D., 1 *H-S*.  
 Evalul, M. E., 3 *B.A.*  
 Ewen, J. G., 4 *E*.  
 Fairlie, L. A., 2 *M-L*.  
 Featherer, J. C., 2 *B.A.*  
 Fegley, M. F., 4 *C-B*.  
 Felty, D. E., 1 *H-S*.  
 Fessler, N. V., 1 *P.E.*  
 Fetch, W. M., 2 *B.A.*



- Fink, P. K. C., 1 *C-B*.  
 Fister, J. B., 4 *H-S*.  
 Fletcher, J. T., 2 *P.E*.  
 Fogg, M. M., 3 *C-B*.  
 Fow, B. V., 3 *P.E*.  
 Frankenfield, C. H., Jr., 1 *M*.  
 Frederick, R. R., 1 *C-B*.  
 Freeman, D. H., 1 *C-B*.  
 Freeman, L. E., 3 *H-S*.  
 Fuller, P. F., 1 *P.E*.  
 Garber, C. S., 1 *C-B*.  
 Garner, W. V., 2 *C-B*.  
 Gehring, A. J., 2 *M*.  
 Geist, R. R., 1 *B.A*.  
 Gelpke, M. G., 1 *C-B*.  
 Gentzler, J. E., Jr., 2 *B.A*.  
 George, E. J., 1 *B.A*.  
 Getty, P. S., 4 *B.A*.  
 Gibson, J. C., 4 *M*.  
 Gilbert, J. K., 2 *C-B*.  
 Glassner, F. V., 3 *H-S*.  
 Gliwa, E. F., 4 *C-B*.  
 Godshall, N. F., 1 *B.A*.  
 Goeckler, J. E., 2 *C-B*.  
 Graninger, D. O., 3 *B.A*.  
 Grau, W. F., Jr., 2 *C-B*.  
 Green, H. E., 2 *C-B*.  
 Green, S. M., 2 *P.E*.  
 Greenawald, E. S., 3 *M-L*.  
 Grimsley, V. H., 2 *P.E*.  
 Grow, M. A., 3 *C-B*.  
 Grubb, E. R., 3 *C-B*.  
 Gumaer, Y. I., 2 *B.A*.  
 Gutkowski, C., Jr., 1 *C-B*.  
 Hafemann, H. E., 1 *E*.  
 Haight, J. P., 1 *P.E*.  
 Haines, H. K., 1 *E*.  
 Hainley, R. E., 3 *B.A*.  
 Halbruegge, M. M., 3 *P.E*.  
 Hamer, C. E., 4 *C-B*.  
 Hamilton, W. L., 1 *C-B*.  
 Hamscher, G. M., 2 *M*.  
 Hansell, H. L., 1 *C-B*.  
 Hansen, R. F., 2 *E*.  
 Hanson, D. W., 1 *B.A*.  
 Hanson, E. L., 1 *E*.  
 Harbach, K. M., 3 *C-B*.  
 Harmer, K. L., 1 *P.E*.  
 Harrington, D. M., 4 *P.E*.  
 Harrison, B. G., 2 *M*.  
 Harsch, J. T., 2 *M*.  
 Hart, J. R., 2 *H-S*.  
 Hart, S. R., 4 *H-S*.  
 Harter, J., 1 *E*.  
 Harting, A. W., 1 *C-B*.  
 Hartman, E. K., 2 *E*.  
 Hassler, M. J., 2 *E*.  
 Hayes, K. M., 3 *C-B*.  
 Heckman, M. N., 4 *H-S*.  
 Heckman, R. R., 4 *M*.  
 Heller, D. B., 2 *C-B*.  
 Heller, E. E., 4 *H-S*.  
 Heller, M. E., 3 *C-B*.  
 Heller, R. E., 1 *C-B*.  
 Hemleb, J. A., 1 *P.E*.  
 Henry, T. P., Jr., 2 *P.E*.  
 Herbert, H. J., 4 *C-B*.  
 Herbert, M. E., 4 *H-S*.  
 Herron, N. B., 1 *C-B*.  
 Hess, A. M., 3 *M-L*.  
 Hess, M. L., 3 *C-B*.  
 Hess, R. G., 4 *H-S*.  
 Hewitt, W. E., 4 *H-S*.  
 Hidlay, F. F., 2 *B.A*.  
 Hills, F. E., 1 *H-S*.  
 Hochbaum, E. F., 2 *M-L*.  
 Hoffman, C. B., 4 *H-S*.  
 Hogg, M. H., 3 *E*.  
 Holden, C., 4 *C-B*.  
 Hopkins, C. R., 4 *E*.  
 Hopkins, G. H., 1 *C-B*.  
 Horner, R. M., 1 *M-L*.  
 Horton, J. E., 1 *C-B*.  
 Hosler, G. C., 3 *H-S*.

- Howard, G. M., 1 *M.*  
Hudson, H. N., 3 *E.*  
Hudson, M. V., 2 *P.E.*  
Hummel, R. E., 1 *E.*  
Hunsicker, L. W., 4 *C-B.*  
Hunt, G. W., 1 *M.*  
Hunt, W. A., 2 *M.*  
Hunter, M. B., 2 *C-B.*  
Huryn, F. T., 1 *H-S.*  
Hutt, B. K., 1 *C-B.*  
Hydren, R. M., 1 *E.*  
Ihrrie, R., 4 *B.A.*  
Innis, M. R., 1 *E.*  
Jacoby, I. V., 1 *H-S.*  
Jaendl, M. M., 1 *C-B.*  
James, V. M., 2 *H-S.*  
Johnson, C. M., 1 *M-L.*  
Jones, J. H., Jr., 1 *H-S.*  
Jones, J. R., 2 *C-B.*  
Kachel, L. G., 1 *B.A.*  
Kanwisher, J. L., 4 *B.A.*  
Kasperski, T. J., 2 *C-B.*  
Keagle, P. K., 4 *P.E.*  
Keagle, W. M., 4 *C-B.*  
Kedda, L. H., 2 *C-B.*  
Keefe, J. E., 1 *M-L.*  
Kehm, H. C., 3 *B.A.*  
Kemp, J. H., 1 *C-B.*  
Kennedy, G. E., 1 *B.A.*  
Kepner, R. J., 2 *B.A.*  
Keyser, B. A., 2 *M-L.*  
Kilcullen, J. F., 2 *C-B.*  
Kirby, C. J., 3 *E.*  
Kircher, J. S., 3 *H-S.*  
Kirlin, B. A., 3 *P.E.*  
Klein, S. J., 2 *C-B.*  
Knauer, B. J., 1 *M-L.*  
Knerr, H. Y., 1 *C-B.*  
Knieriem, F. P., 1 *H-S.*  
Knoll, F. E., 4 *E.*  
Knopf, G. T., 3 *P.E.*  
Koch, H. W., Jr., 4 *E.*  
Koetsier, E. A., 1 *C-B.*  
Kohlhas, D. M., 2 *B.A.*  
Kramer, G. C., 1 *H-S.*  
Kratz, G. D., 4 *B.A.*  
Kristensen, J. G., 1 *C-B.*  
Krusen, D. E., 3 *C-B.*  
Kuntz, D. A., 2 *E.*  
Kutz, A. E., 4 *M.*  
Landis, N. A., 4 *P.E.*  
Laning, D. S., Jr., 1 *B.A.*  
Laucks, S. P., 4 *C-B.*  
Leaming, E. R., 1 *E.*  
Leavesley, T. D., 1 *C-B.*  
Leswing, H., Jr., 4 *H-S.*  
Levan, A. K., 3 *B.A.*  
Levitsky, D. A., 2 *C-B.*  
Lewis, H. A., 4 *E.*  
Lill, F. R., 1 *C-B.*  
Litwak, R. S., 1 *C-B.*  
Long, E. C., 2 *C-B.*  
Loughin, E. E., 1 *M-L.*  
Lovett, M. A., 3 *M-L.*  
Ludwick, J. S., 3 *P.E.*  
Lutz, W. H., 4 *B.A.*  
Lyons, H. H., 4 *C-B.*  
Lytle, M. J., 3 *M-L.*  
Lytle, M. S., 1 *E.*  
MacCready, W. B., 4 *H-S.*  
MacGregor, J. C., Jr., 1 *C-B.*  
Mackell, D. E., 1 *H-S.*  
MacNeal, G. D., 2 *E.*  
Malin, M. J., 1 *H-S.*  
Man, E. M., Jr., 4 *C-B.*  
Manning, L. E., 2 *C-B.*  
Manone, C. J., 2 *H-S.*  
Marshall, J. W., 2 *H-S.*  
Martin, M. T., 2 *H-S.*  
Massey, E. S., Jr., 2 *C-B.*  
Mathieu, J. W., 3 *P.E.*  
Maurer, O. K., Jr., 1 *H-S.*  
Maykut, J. A., Jr., 1 *B.A.*  
Maykut, S. A., 1 *H-S.*

- McAllister, H. A., 2 *P.E.*  
 McCausland, E. L., Jr., 4 *H-S.*  
 McCausland, S. L., 1 *C-B.*  
 McDaniel, A. S., 3 *P.E.*  
 McKee, H. L., 1 *B.A.*  
 McKinney, M. J., 2 *C-B.*  
 McQuinn, R., Jr., 1 *C-B.*  
 Meade, R. L., 1 *C-B.*  
 Meagher, J. F., 2 *B.A.*  
 Melson, R. D., 4 *H-S.*  
 Mendenhall, R. I., 3 *M.*  
 Merrill, M. E., 1 *H-S.*  
 Michos, C. J., 1 *M.*  
 Miller, A. W., Jr., 1 *C-B.*  
 Miller, B. J., 1 *C-B.*  
 Miller, G. B., 3 *B.A.*  
 Miller, I. B., 3 *C-B.*  
 Miller, L. F., 3 *P.E.*  
 Miller, W. A., 1 *C-B.*  
 Moffit, R. P., Jr., 1 *H-S.*  
 Mollard, P. M., 2 *H-S.*  
 Moore, C. D., 4 *H-S.*  
 Moore, G. L., Jr., 2 *C-B.*  
 Moore, M. J., 1 *E.*  
 Moran, M. A., 1 *H-S.*  
 Morrison, W. N., 1 *E.*  
 Morrow, E. R., 4 *C-B.*  
 Moser, R. N., 4 *H-S.*  
 Much, S. D., 3 *H-S.*  
 Munster, A. C., 4 *M.*  
 Myers, L. H., Jr., 3 *M.*  
 Nachod, R. F., 1 *E.*  
 Nebinger, N. M., 2 *C-B.*  
 Neff, E. J., 1 *B.A.*  
 Neustadter, H., 2 *C-B.*  
 Nissly, C. R., 4 *B.A.*  
 North, L. L., Jr., 4 *C-B.*  
 Nyce, D. M., 1 *M.*  
 Oddo, L. J., 1 *C-B.*  
 Oelschlager, M. M., 1 *C-B.*  
 Ohlemeyer, D. L., 2 *B.A.*  
 Orr, B. A., 1 *C-B.*  
 Ort, W. E., 3 *C-B.*  
 Parks, E. G., Jr., 3 *P.E.*  
 Parsons, W. T., 3 *H-S.*  
 Pastras, T., 4 *C-B.*  
 Pearlstine, J., 1 *H-S.*  
 Pearson, L. J., 1 *C-B.*  
 Perkins, B. S., 4 *C-B.*  
 Peterson, M. E., 4 *C-B.*  
 Pfeiffer, E. F., 1 *C-B.*  
 Pfeiffer, H. W., 1 *H-S.*  
 Phillips, J. G., 2 *B.A.*  
 Pierce, F. F., 3 *C-B.*  
 Poinsett, E. V., 1 *C-B.*  
 Power, R. E., 4 *P.E.*  
 Quay, E. B., 1 *C-B.*  
 Raban, R. J., 4 *C-B.*  
 Rager, P. J. F., 1 *E.*  
 Ramundo, M., 1 *M.*  
 Rank, R. K., 2 *C-B.*  
 Rank, W. I. K., 2 *C-B.*  
 Rapp, R., 4 *C-B.*  
 Reese, B. I., 4 *E.*  
 Reid, R. M., 1 *H-S.*  
 Reifsnnyder, J., 1 *B.A.*  
 Reimer, E. S., 2 *C-B.*  
 Remmey, D. B., 1 *B.A.*  
 Rice, E. L., 4 *M-L.*  
 Richard, C. D., Jr., 2 *M.*  
 Richard, C. S., 4 *B.A.*  
 Richards, J. L., Jr., 4 *B.A.*  
 Richards, J. M., 1 *B.A.*  
 Richardson, D. L., 1 *M.*  
 Richter, M. A., 1 *E.*  
 Ridgway, D. S., 2 *C-B.*  
 Riegel, R. F., 4 *E.*  
 Rimby, W. S., 1 *B.A.*  
 Roberts, J. T., 1 *C-B.*  
 Robinson, J. A., 2 *C-B.*  
 Roemer, F. D., 2 *P.E.*  
 Rogalinski, H. E., 4 *M-L.*  
 Rorer, J. O., Jr., 3 *B.A.*  
 Rorer, T. R., 3d, 3 *B.A.*



- Rosciola, M. E., 4 *M.*  
 Ross, J. V. A., 3 *B.A.*  
 Rubin, L., 2 *C-B.*  
 Rule, J. F., 1 *C-B.*  
 Saunders, W. F., 1 *E.*  
 Schantzenbach, F. O., 1 *E.*  
 Schellhase, R. T., 1 *H-S.*  
 Schiding, C. E., 1 *C-B.*  
 Schlessner, A. A., 1 *E.*  
 Schmitt, P. J., 1 *C-B.*  
 Schneeberg, A. L., 2 *C-B.*  
 Schofield, R. A., 1 *C-B.*  
 Schonfeld, T. G., 3 *C-B.*  
 Schultz, E. C., 4 *C-B.*  
 Schultz, R. L., 2 *H-S.*  
 Schwartz, C. A., 2 *C-B.*  
 Secor, S. S., 1 *P.E.*  
 Seitz, M. F., 1 *C-B.*  
 Shirey, B. C., 4 *P.E.*  
 Shoemaker, J. S., 1 *C-B.*  
 Shropshire, E., 3 *C-B.*  
 Shumaker, J. E., 1 *M.*  
 Simons, A. B., 1 *P.E.*  
 Sinclair, K. A., 1 *C-B.*  
 Singley, M. A., 1 *E.*  
 Sisti, A., 1 *C-B.*  
 Smith, E. L., 1 *E.*  
 Smith, H. I., 1 *H-S.*  
 Smyth, J. E., 3 *H-S.*  
 Snively, B. W., *Sp.*  
 Snyder, E. S., 2 *M.*  
 Snyder, M. J., 1 *C-B.*  
 Souerwine, A. H., 2 *H-S.*  
 Spitzer, P. F., Jr., 4 *C-B.*  
 Sponsler, J. A., 1 *B.A.*  
 Staiger, R. P., 4 *C-B.*  
 Stauder, S. R., 1 *E.*  
 Stevens, E. F., 1 *M.*  
 Steward, H. D., 3 *H-S.*  
 Stewart, H. M., 1 *C-B.*  
 Stewart, M. G., 2 *E.*  
 Stocker, M. E., 4 *E.*  
 Strathmeyer, R. L., 1 *M.*  
 Straub, J. S., 3 *B.A.*  
 Stretch, N. I., 4 *P.E.*  
 Styer, A., 1 *H-S.*  
 Sufas, I., 1 *H-S.*  
 Sufas, W., 2 *B.A.*  
 Sutcliffe, W. H., 4 *E.*  
 Swartley, C., 4 *E.*  
 Tallis, E. J., 4 *H-S.*  
 Tanner, R. C., 1 *B.A.*  
 Taylor, E. M., 1 *M.*  
 Taylor, G. C., Jr., 3 *C-B.*  
 Tenewitz, P. A., 1 *C-B.*  
 Terrill, E. E., 3 *B.A.*  
 Tershowska, M. A., 2 *C-B.*  
 Theis, J. V., 1 *P.E.*  
 Thomas, E. J., 3 *E.*  
 Thomas, J. L., 4 *B.A.*  
 Tippet, J. H., 4 *B.A.*  
 Tisdale, M. F., 1 *B.A.*  
 Titus, R., 1 *B.A.*  
 Titzck, D. J., 2 *M-L.*  
 Tomafsky, F. R., 3 *B.A.*  
 Topfer, A. R., 2 *C-B.*  
 Torrey, J. H., 1 *C-B.*  
 Tovey, V. K., 1 *M-L.*  
 Tredinnick, R. W., 3 *H-S.*  
 Trevaskis, J. P., Jr., 1 *E.*  
 Trout, D. H., 4 *E.*  
 Troxell, F. J., Jr., 1 *C-B.*  
 Tuckerman, J. W., 1 *C-B.*  
 Turner, H. G., 1 *C-B.*  
 Tyson, E. S., 1 *E.*  
 Umstad, B. K., 2 *C-B.*  
 Verdelli, L. S., 4 *C-B.*  
 Vibbard, P. J., 2 *B.A.*  
 Wadsworth, W. B., 2 *H-S.*  
 Wagner, E. L., 4 *C-B.*  
 Walker, H. T., 3 *C-B.*  
 Walker, H. T., 1 *C-B.*  
 Walling, W. B., 2 *C-B.*  
 Walters, K. E., 1 *M.*

Walton, L. E., 3 <i>E.</i>	Wilhelm, F. W., 4 <i>B.A.</i>
Waltz, D., 2 <i>C-B.</i>	Williams, E. A., 3 <i>E.</i>
Wanner, N. M., 4 <i>B.A.</i>	Williams, G. M., 2 <i>C-B.</i>
Warren, D. J., 1 <i>H-S.</i>	Williams, R. L., Jr., 1 <i>P.E.</i>
Watson, W. S., Jr., 1 <i>C-B.</i>	Wilson, J. R., 2 <i>H-S.</i>
Watt, G., Jr., 1 <i>H-S.</i>	Wilt, F. V., 4 <i>E.</i>
Weand, A. R., 3 <i>C-B.</i>	Winter, J. W., 2 <i>M.</i>
Weaver, B. M., 2 <i>C-B.</i>	Wirges, W. R., 1 <i>C-B.</i>
Weaver, E. F., III, 1 <i>C-B.</i>	Wisler, J. M., 3 <i>H-S.</i>
Weaver, M. A., 4 <i>H-S.</i>	Wolfe, C. L., 3 <i>B.A.</i>
Webb, M. G., 1 <i>C-B.</i>	Wood, D. N., 2 <i>E.</i>
Weierbach, J. M., 3 <i>C-B.</i>	Worthing, L. O., 4 <i>H-S.</i>
Weller, J. A., 1 <i>C-B.</i>	Wright, L. E., 2 <i>C-B.</i>
Wentzel, R. C., 1 <i>E.</i>	Yeager, B. L., 2 <i>E.</i>
Werner, J. M., 1 <i>B.A.</i>	Yeager, W. M., 4 <i>M-L.</i>
Wetzel, R. E., 1 <i>H-S.</i>	Yost, J. R., Jr., 2 <i>C-B.</i>
White, E. H., 1 <i>B.A.</i>	Young, R. M., 3 <i>C-B.</i>
Whiteside, S. E., 4 <i>M.</i>	Zeigler, J. F., 3 <i>B.A.</i>
Wieder, B. J., 2 <i>H-S.</i>	Ziegler, D. S., 3 <i>B.A.</i>
Wight, A. R., III, 3 <i>H-S.</i>	Zimmerman, A. L., 3 <i>B.A.</i>
Wilde, W. R., 1 <i>C-B.</i>	Zulich, F. J., 3 <i>B.A.</i>
Wiley, M. A., 4 <i>E.</i>	

## GENERAL SUMMARY, 1942-43

### STUDENTS IN THE COLLEGE

The Mathematics Group .....	38
The Chemistry-Biology Group .....	187
The History-Social Science Group ....	88
The English Group .....	66
The Modern Languages Group .....	30
The Business Administration Group ...	84
The Physical Education Group .....	41
Special .....	1
Total .....	535

# PRIZES, HONORS AND DEGREES

Awarded in 1941-42

## PRIZES

THE ROBERT TRUCKSESS PRIZE—Denton A. Herber

THE ELIZABETH ROCKEFELLER MCCAIN PRIZE—Emma Jane Thomas,  
Lorraine E. Walton

THE BOESHORE PRIZE—Homer W. Koch, Jr.

THE URSINUS WOMAN'S CLUB PRIZE—Natalie A. Hogeland

THE URSINUS CIRCLE PRIZE—Julia E. Ulrich

THE GEORGE DITTER PRIZE—Dorothy M. Brosz

THE ROSICRUCIAN PRIZE—Libby Rubin

THE PAISLEY PRIZES—R. Donald Melson, S. Isabel Downing

THE ELLEN BEAVER SCHLAYBACH MEMORIAL PRIZE—Evelyn M. Dorn-  
bach

### OPEN SCHOLARSHIP AWARDS:

Norman Dean Evans	Oliver Kirk Maurer, Jr.
Constance Marguerite Johnson	Anne Styer
Frederich Paul Knieriem	Martin Gilder Webb, Jr.

## HONORS

### DEPARTMENT HONORS

BIOLOGY—Archer Phlegar Crosley, Jr., Roy Allen Wenhold, Nathaniel  
William Winkelman, Jr.

CHEMISTRY—Wallace Siegfried Brey, Jr., Franklyn David Miller

MATHEMATICS—Robert Theodore Luginbuhl, John McElhinney



## GRADUATION HONORS

VALEDICTORY—Wallace Siegfried Brey, Jr.

SALUTATORIAN—Evelyn Marion Dornbach

*Summa Cum Laude*—Wallace Siegfried Brey, Jr.

*Magna Cum Laude*—Dorothy Marie Brosz, Evelyn Marion Dornbach

*Cum Laude*—Archer Phlegar Crosley, Jr., Gladys Elaine Heibel,  
Robert Theodore Luginbuhl, Robert Milton McAllister, Jane  
Lois Vink, Roy Allen Wenhold, Ellen Mae Whitney

## DEGREES, 1941-42

DOCTOR OF DIVINITY (Honorary)—The Rev. Nathanael Babcock  
Groton, The Rev. Henry James Herber, The Rev. Paul  
Wicke Yoh

DOCTOR OF LAWS (Honorary)—William Mather Lewis, LL.D., Litt.D.,  
L.H.D.

BACHELOR OF ARTS—Garnet Oliver Adams, Karl Engel Agan, Jr.,  
Carolyn Boehmer Anfinson, Richard Wolfe Arnold, Florence  
Caroline Bechtel, Helene Emilie Berger, Lenore Distel Berk, y,  
Frederick Moore Binder, Alvan Rogers Brick, Marion Irene  
Britton, Dorothy Marie Brosz, Elizabeth Kathryn Burdan,  
Kathryn Emery Bush, Marion Leah Byron, Norman Mattock  
Callahan, Jr., Dorothy Elizabeth Campbell, Joseph Durrell  
Chapline, Jr., Donald Russell Connor, Douglas Arthur Crone,  
Woodrow Wilson Currington, Elizabeth Dakay, Francis  
Rodman Daugherty, Evelyn Marion Dornbach, Dorothy Jane  
Ducat, Leroy Clayton Earle, William James Flynn, Carol  
Foster, Marjorie Helen Foster, Averill Virginia Fox, June  
Louise Fritz, Elizabeth Frorer, Richard Rodda Gay, Joseph  
Warren Glass, Jr., Charles Edwin Graver, Gracemary  
Greene, Roberta Esther Ruth Guinness, Ernest Baker Hamp-  
ton, Francis Kulp Hauseman, William Frederick Heefner,  
Gladys Elaine Heibel, Denton Alfred Herber, Ruth Baker  
Hoke, Albert Spence Hutchinson, Frances Elaine Kooker,  
Lillian Regina Linsenberg, Joyce Prinold Lownes, Robert  
Howard McFarland, 3d, June Elizabeth Meunier, Victor Lee  
Morningstar, Paul Franklin Moser, Ralph Augustus Moyer,  
Jr., Pauline Reba Nissly, Jean Lois Patterson, Bette Alma

Replogle, William John Selfridge, Jr., George Fred Shuster, Jr., Eva June Smith, Joan Elizabeth Stoots, Dorothy Alice Thurston, Joyce LaForge Tuers, Julia Elizabeth Ulrich, Jane Lois Vink, Geraldine Ethelda Walters, Jean Louise Webb, Ingeborg Louise Hedwig Wesemann, Ellen Mae Whitney, Mary Elizabeth Wismer, John Edwin Yeomans, Mary Eleanor Richards '41

BACHELOR OF SCIENCE—Mary Elizabeth Allebach, John Milton Bear, Nicholas Joseph Biscotte, John Russell Bishop, Wallace Siegfried Brey, Jr., Elva Jane Buckingham, John Forrest Cornely, James Francis Coulter, Jr., Archer Phlegar Crosley, Jr., Alice Hall Dougherty, Rosalind Helen Elting, Gladys Lenore Hoagland, Natalie Austin Hogeland, Julia Heyl Hogg, Kenneth Elbert Hoopes, Russell Wheeler Huckel, Emily Mary Kehoe, Anna Gladys Levengood, Robert Theodore Luginbuhl, Edward S. Maykut, Robert Milton McAllister, John McElhinney, Franklyn David Miller, Doris Nice Morgan, William James Musick, Geraldine Mildred Reed, Dorothy Winter Schleinkofer, Harry Ernest Smith, George Schaffer Spohn, Albin Peter Tkacz, Wilma Elaine Weisgerber, Roy Allen Wenhold, Nathaniel William Winkelman, Jr., Charlotte Mertz Witmer, Jean Audrey Decard, '41

## ALUMNI ORGANIZATIONS

### THE ALUMNI ASSOCIATION

Graduates of the College and all persons admitted to a degree higher than the first in the institution are eligible to active membership. Non-graduate former students may become associate members.

The Association is entitled to a representation of five members in the Board of Directors. These members are nominated by the Association and serve five years.

### OFFICERS FOR 1942-43

*President*—GUY A. KOONS, B.S., '17, Steelton, Pa.

*Vice-President*—ALFRED C. ALSPACH, LL.B., '33, Lancaster, Pa.

*Secretary-Treasurer*—CHARLES H. MILLER, A.M., '24, Collegeville, Pa.

### URSINUS ALUMNI ASSOCIATION OF YORK

*President*—GORDON W. SPANGLER, B.S., '36, York, Pa.

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